



CHELSEA PLANNING COMMISSION WORK SESSION Agenda

February 7, 2023

7:00 PM

311 S. Main St. (Council Chambers)

Commissioners must attend in person, a zoom option is available for members of the public.

Agenda:

1. Public Comment
2. Gestamp Expansion – Combined Preliminary and Final Site Plan Review
3. Proposed Zoning Ordinance Amendments
 - a. Article 7: Landscaping

Persons requiring reasonable accommodations due to disabilities in order that the meeting is accessible to them are requested to notify the Chelsea Planning Commission of such disability no later than five business days prior to the date of the meeting.

Sarah Haselschwardt, Secretary

Zoom Information:

Topic: Planning Commission Work Session – February 7, 2023

When: Feb 7, 2023 07:00 PM Eastern Time (US and Canada)

Please click the link below to join the webinar:

<https://us02web.zoom.us/j/87006959608?pwd=Y0Q3SDc1d2YrV3ZDdlJsTT hubURMQ T09>

Passcode: 754552

Or One tap mobile :

US: +13092053325,,87006959608#,,, *754552# or
+13126266799,,87006959608#,,, *754552#

Or Telephone:

Dial(for higher quality, dial a number based on your current location):

US: +1 309 205 3325 or +1 312 626 6799 or +1 646 558 8656 or +1 646 931 3860
or +1 301 715 8592 or +1 305 224 1968 or +1 360 209 5623 or +1 386 347 5053 or +1
507 473 4847 or +1 564 217 2000 or +1 669 444 9171 or +1 669 900 9128 or +1 689
278 1000 or +1 719 359 4580 or +1 253 205 0468 or +1 253 215 8782 or +1 346 248
7799

Webinar ID: 870 0695 9608

Passcode: 754552

International numbers available: <https://us02web.zoom.us/j/87006959608>

Item 2

Gestamp Expansion

Combined Preliminary and Final Site Plan Review

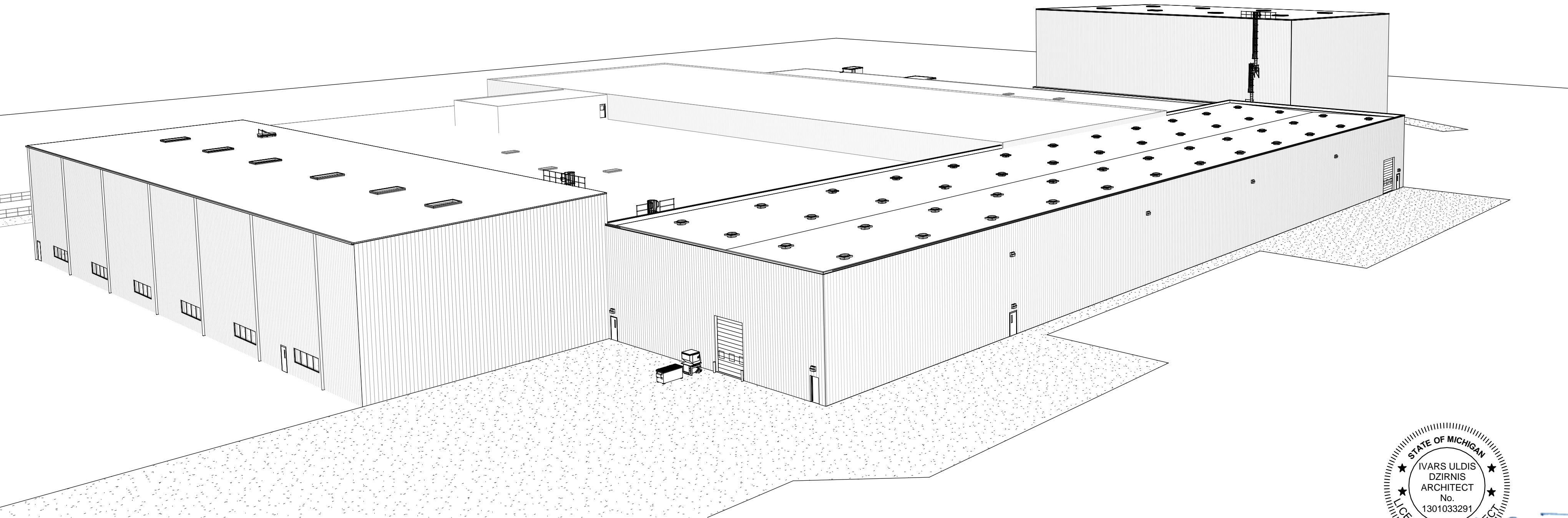


CHELSEA BUILDING ADDITION

5800 SIBLEY ROAD
CHELSEA, MI 48118

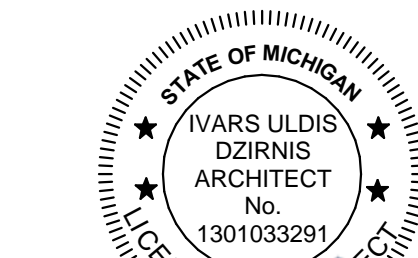
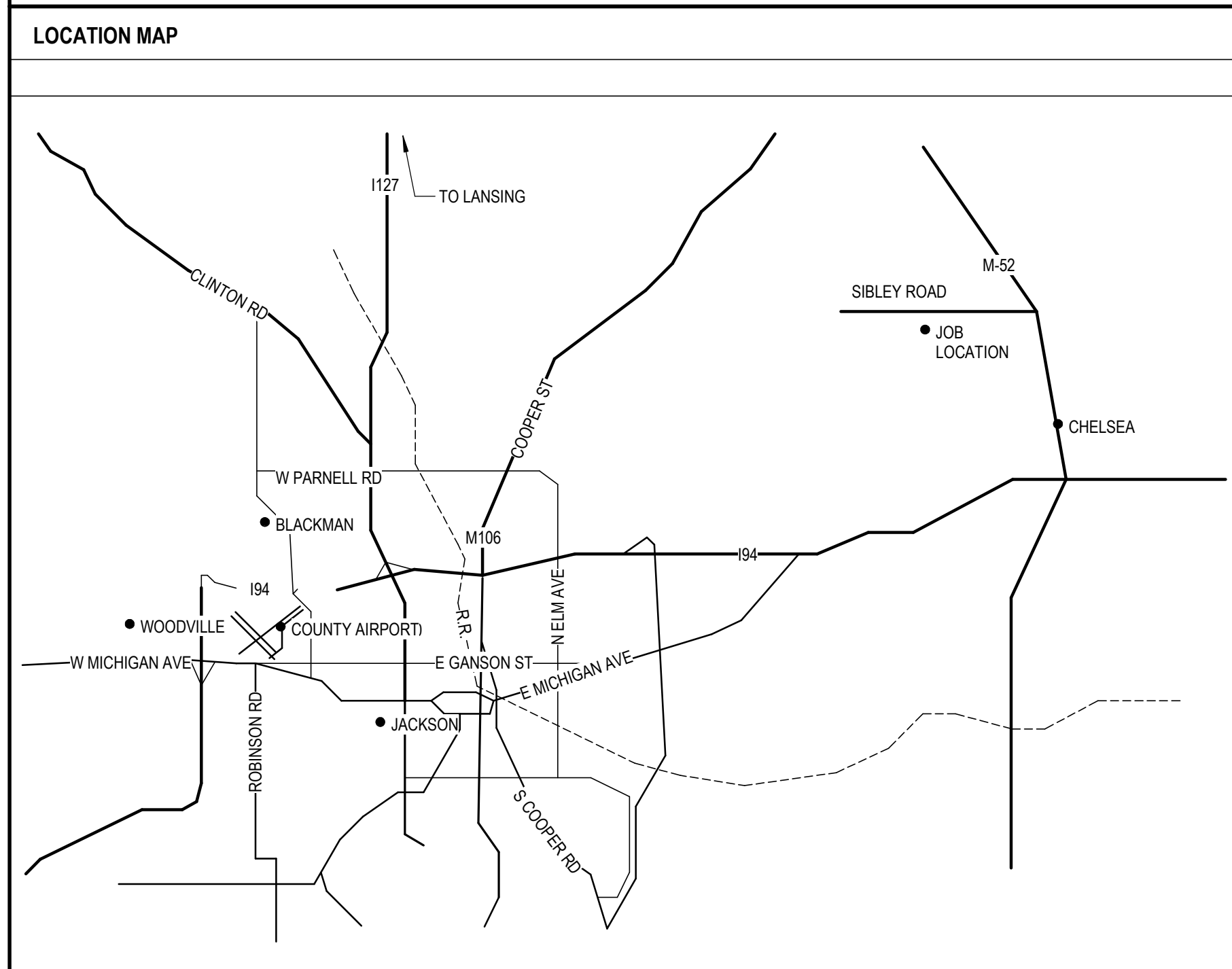
ISSUED FOR: SITE PLAN APPROVAL

| SHEET INDEX | | | |
|---------------|----------------------|------------------------------------|--------------------|
| NUMBER | TITLE | 10-28-22 SITE PLAN | |
| | | 11-22-22 REVISED PER CITY COMMENTS | 01-20-23 SITE PLAN |
| CS | COVER SHEET | X | X |
| ARCHITECTURAL | | | |
| A1.1 | COMPOSITE SITE PLAN | X | X |
| A2.1 | COMPOSITE FLOOR PLAN | X | X |
| A2.2 | ENLARGED FLOOR PLAN | X | X |
| A4.0 | EXTERIOR ELEVATIONS | X | X |
| ELECTRICAL | | | |
| E1 | PHOTOMETRIC PLAN | X | X |



| CONTACT INFORMATION | |
|---|--|
| OWNER / CLIENT: | |
| GESTAMP NORTH AMERICA DIVISION 2701 TROY CENTER DRIVE, SUITE 150 TROY, MI 48064 | |
| PHONE: (734) 593-9036 EMAIL: gestamp.com | |
| ARCHITECT / ENGINEER: | |
| IVARS DZIRNIS, AIA, NCARB, LEED AP PROJECT MANAGER/ARCHITECT | |
| PHONE: (989) 573-0710 EMAIL: bdzirnis@kibbe.com WEB: www.kibbe.com | |
| KAITLYN MIKLOVICH PROJECT DESIGNER | |
| PHONE: (989) 752-5000 EMAIL: KMIKLOVICH@KIBBE.COM | |
| CODE AUTHORITY: | |
| CITY OF CHELSEA PLANNING & ZONING DEPARTMENT 305 S. MAIN ST., SUITE 100 CHELSEA, MI 48118 (734) 475-1771 | |

| PROJECT INFORMATION | |
|---|--|
| BUILDING CODE COMPLIANCE <ul style="list-style-type: none">2015 MICHIGAN BUILDING CODE (MBC)2018 MICHIGAN PLUMBING CODE (MPC)2015 MICHIGAN MECHANICAL CODE (MMC)2017 NATIONAL ELECTRICAL CODE (NEC)2012 INTERNATIONAL FIRE CODE (IFC)NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) | |
| BUILDING USE GROUP [SECTION 306.3] <ul style="list-style-type: none">LOW-HAZARD FACTORY INDUSTRIAL, GROUP F-2 | |
| CONSTRUCTION CLASSIFICATION [SECTION 602] <ul style="list-style-type: none">IIB - NON COMBUSTIBLE | |
| BUILDING AREA [SECTION 503] <ul style="list-style-type: none">ALLOWABLE - UNLIMITED BY SPECIAL EXEMPTIONORIGINAL BUILDING FIRST FLOOR = 184,000 SQ. FT.ORIGINAL BUILDING SECOND FLOOR = 7,677 SQ. FT.EXISTING PENTHOUSE = 2,657 SQ. FT.PRESS PIT = 1,907 SQ. FT.SCRAP TUNNEL = 751 SQ. FT.FIRST FLOOR CMM = 275 SQ. FT.SCRAP BUILDING = 1,793 SQ. FT.TRANSFER PRESS = 24,102 SQ. FT.E-COAT = 18,323 SQ. FT.SECOND FLOOR = 275 SQ. FT.STAIR TOWER = 218 SQ. FT.ELEVATOR = 98 SQ. FT.TOTAL SQUARE FOOTAGE = 239,435 SQ. FT.PROPOSED ADDITION = 35,393 SQ. FT.TOTAL = 274,828 SQ. FT. | |
| BUILDING HEIGHT AND AREA [SECTION 503.1.1] <ul style="list-style-type: none">SPECIAL INDUSTRIAL OCCUPANCIES EXEMPT FROM TABLE 504.3, 504.4 AND 506.2 HEIGHT AND AREA LIMITATIONS. | |
| OCCUPANT LOAD [TBL 1004.1.2] <ul style="list-style-type: none">1,943 EX + 354 PROP = 2,297 OCCUPANTS | |
| MINIMUM NUMBER OF EXITS PER STORY [TBL 1006.3.1] <ul style="list-style-type: none">REQUIRED - (4) OCCUPANT LOAD > 1000PROVIDED - 20 | |
| EXIT ACCESS TRAVEL DISTANCE [SECTION 1017, TBL 1017.2] <ul style="list-style-type: none">USE GROUP F-2 W/ SPRINKLER SYSTEM400' | |
| CORRIDORS [SECTION 1020, TBL 1020.1] <ul style="list-style-type: none">0 RATING W/ SPRINKLERS | |
| MEANS OF EGRESS SIZING [SECTION 1009] <ul style="list-style-type: none">OCCUPANT LOAD 2,297 X .15 = 345" MIN. WIDTHREQUIRED EXIT DOORS @ 33" WDR = 11DOORS PROVIDED - 20 | |
| FIRE PROTECTION SYSTEMS [CHAPTER 9] FULLY SPRINKLED - AUTOMATIC SPRINKLER SYSTEM | |
| FIRE RESISTANCE RATING FOR BUILDING ELEMENTS (HOURS) [TBL 601] <ul style="list-style-type: none">0 - STRUCTURAL FRAME0 - BEARING WALLS0 - NON BEARING WALLS0 - FLOOR CONSTRUCTION0 - FLOOR CONSTRUCTION | |
| EXTERIOR WALLS [SECTION 705] <ul style="list-style-type: none">NON-COMBUSTIBLE TYPE 2 CONSTRUCTION | |
| WALL AND CEILING FINISHES [SECTION 803, TBL 803.11] <ul style="list-style-type: none">FLAME SPREAD INDEX<ul style="list-style-type: none">CLASS A(0-25), CLASS B(26-75), CLASS C(76-200)SMOKE DEVELOPED INDEX<ul style="list-style-type: none">CLASS A(0-450), CLASS B(450-900), CLASS C(900-1800)CLASS C - VERTICAL EXIT & EXIT PASSAGEWAYCLASS C - EXIT ACCESS & OTHER EXITSCLASS C - ROOMS & ENCLOSED SPACES | |
| AUTOMATIC SPRINKLER SYSTEMS [SECTION 903, 903.3.1.1] <ul style="list-style-type: none">NFPA 13 SPRINKLER SYSTEM | |
| PORTABLE FIRE EXTINGUISHERS [SECTION 906] <ul style="list-style-type: none">CLASS A, 75' - TYPE 2A EXTINGUISHERS | |



Gestamp

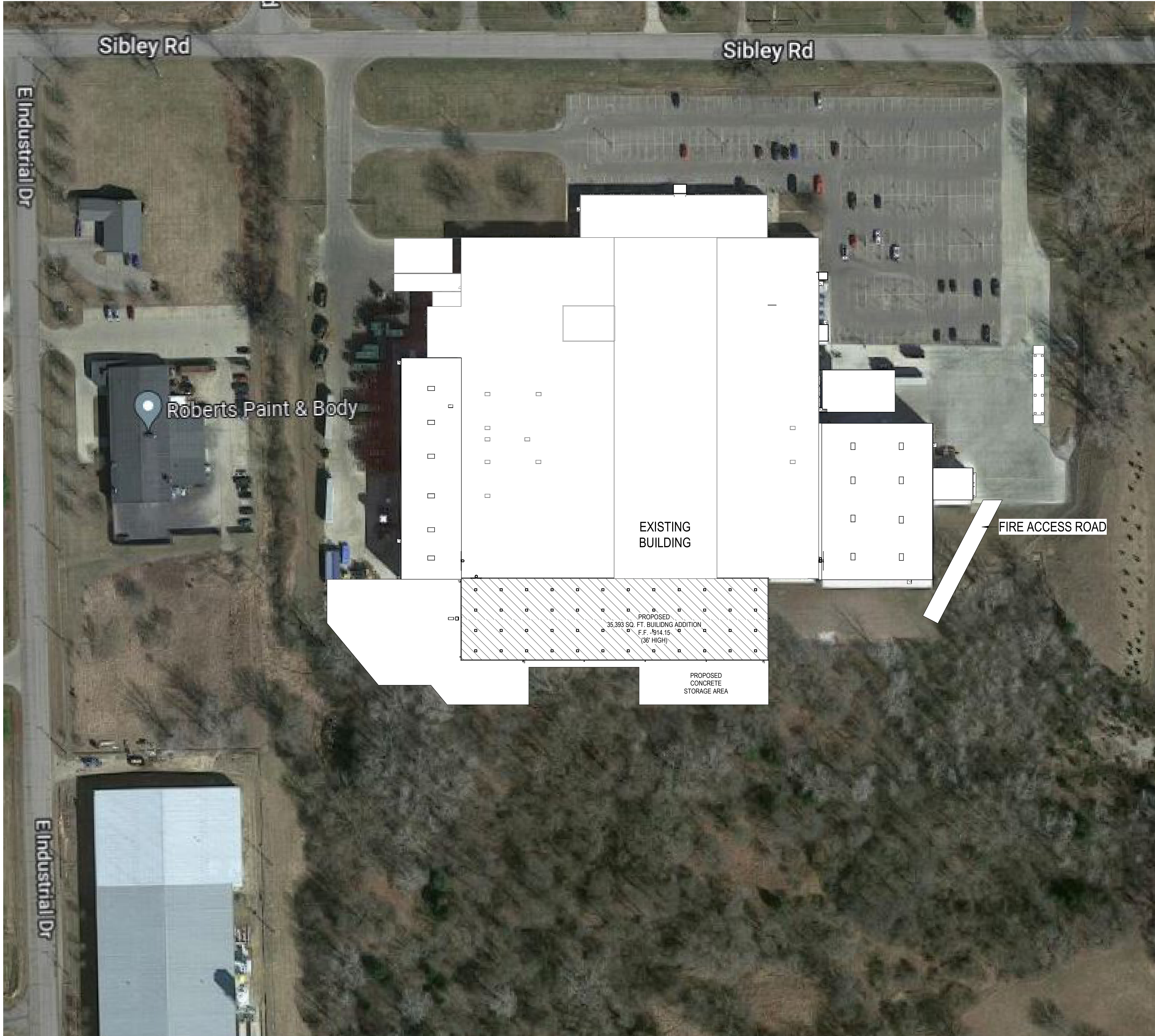
GESTAMP NORTH AMERICA DIVISION
CHELSEA BUILDING ADDITION

CHELSEA, MI 48118

COVER SHEET

| DATE | STATUS / REVISIONS | NO. | CHECKED BY: |
|-------------------------|---------------------------|-----|-------------|
| 10-28-22 | SITE PLAN | | E. MANNOR |
| 11-22-22 | REVISED PER CITY COMMENTS | | |
| 01-20-23 | SITE PLAN | | |
| DESIGNED BY: B. DZIRNIS | | | |
| DRAWN BY: K. MIKLOVICH | | | |
| PROJ #: 22-2373-0265 | | | |

SHEET
CS



COMPOSITE SITE PLAN
SCALE: 1" = 60'-0"



| STATUS / REVISIONS | | DATE |
|---|-----|--------------|
| SITE PLAN REVISED PER CITY COMMENTS SITE PLAN | NO. | 10-28-22 |
| | NO. | 11-22-22 |
| | NO. | 01-26-23 |
| CHECKED BY: E. MANNOR | | |
| DESIGNED BY: B. DZIRNIS | | |
| DRAWN BY: K. MIKLOVICH | | |
| PROJ #: | | 22-2373-0265 |

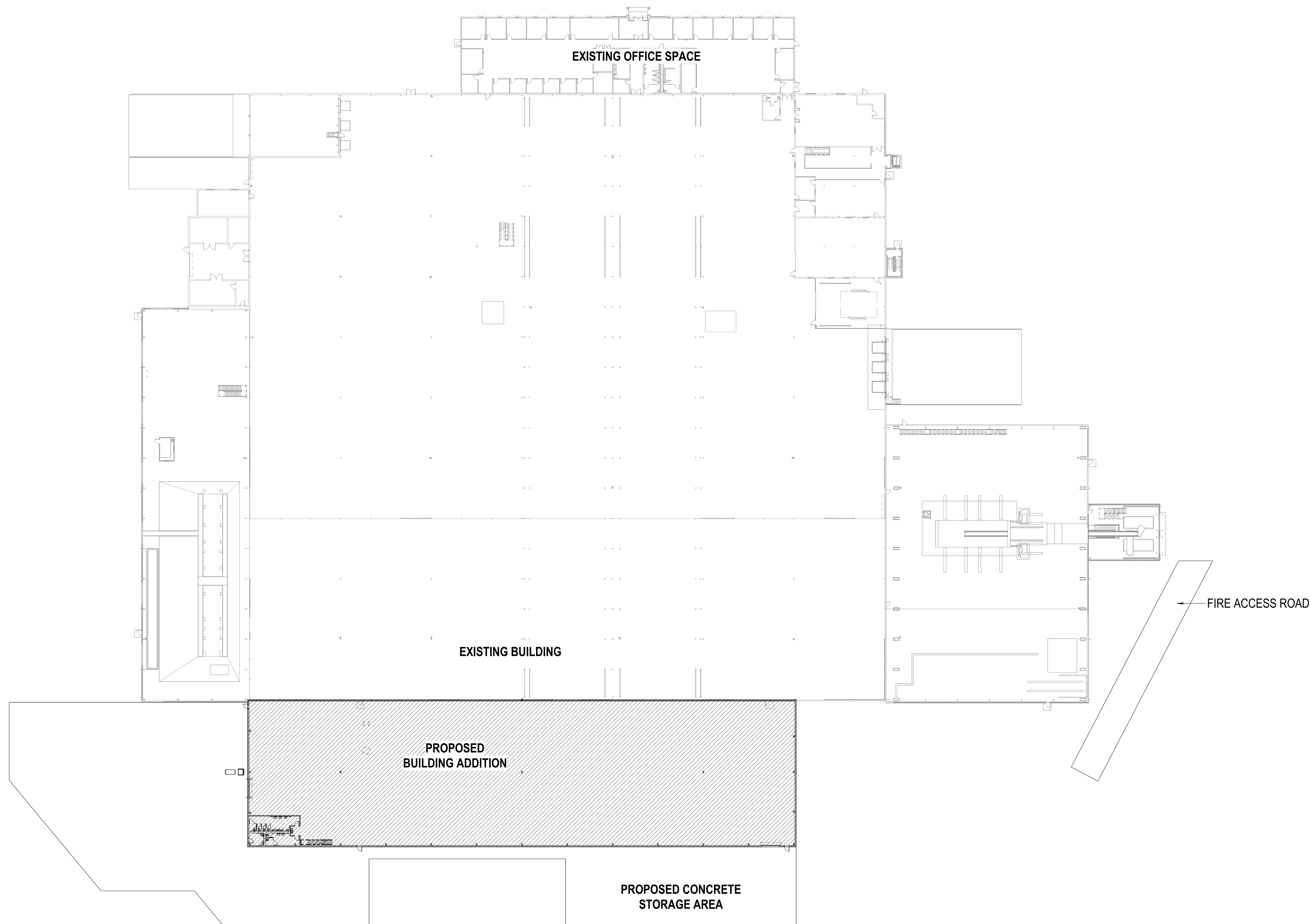
SHEET
A1.1

PRINTED: 1/19/2023 4:03:42 PM

GESTAMP NORTH AMERICA DIVISION
CHELSEA BUILDING ADDITION
CHELSEA, MI 48118

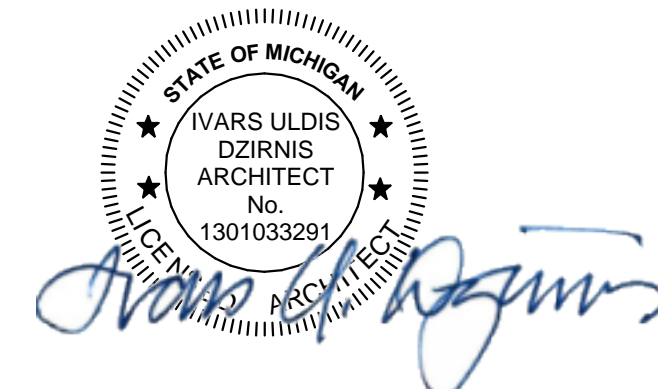
Gestamp

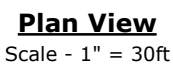



[illegible]

COMPOSITE FLOOR PLAN

SCALE: 1/32" = 1'-0"





| Schedule | | | | | | | | | |
|---|-------|----------|-------------------|--------------------|---|--------------|-----------------|-------------------|---------|
| Symbol | Label | Quantity | Manufacturer | Catalog Number | Description | Number Lamps | Lumens Per Lamp | Light Loss Factor | Wattage |
|  | A | 9 | Lithonia Lighting | WPX3 LED 50K Mvolt | WPX3 LED wallpack 9000lm 5000K color temperature 120-277V | 1 | 9394 | 0.95 | 71.16 |



| Ordering Information | | | EXAMPLE: WPX2 LED 40K MVOLT DDBX | | |
|----------------------|--------------------|------------|----------------------------------|--|--|
| Series | Color Temperature | Voltage | Options | Finish | |
| WPX1 LED P1 | 1,500 lumens, 110V | 300K 3000K | W003 120V-277V | (shk) None | 00000 Dark Bronze |
| WPX1 LED P2 | 2,000 lumens, 120V | 40K 4000K | 347 347V | 640W Emergency battery backup, CEC compliant | 00010 White |
| WPX1 LED L | 6,000 lumens, 47W | 50K 5000K | 40K 40K, 20°C max | 40K Emergency battery backup, CEC compliant | 00100 Black |
| WPX2 LED | 9,000 lumens, 60W | | 40K 40K, 20°C max | 40K | 00100 For other options, consult factory |

Note: The lumen output and input power shown in the ordering tree are average representations of all configuration options. Specific values are available on request.

INTENDED USE
The WPA LED wall packs are designed to provide an efficient, energy efficient solution for the following replacement of existing high wall packs. The WPA1, WPA2 and WPA3 are ideal for replacing up to 150W, 250W and 400W HID luminaires respectively. WPA luminaires deliver a uniform, wide distribution. WPA is rated for 40°C to 40°C.

CONSTRUCTION
WPA features a die-cast aluminum main body with optimal thermal management that combines LED efficiency and extends component life. The luminaires are IP66 rated, and sealed against moisture and dust.

INSTALLATION
WPA can be mounted directly over a standard electrical junction box. These 12 inch conductors provide a safe means for surface conduit sealing. A part on the back of the luminaire allows for direct conduit wiring on surfaces that don't have an electrical junction box. Wiring can be made in the integral grid and aluminum plate. WPA is only recommended for replacement with LEDs featuring dimmable components.

LISTINGS
CSA Certified to meet U.S. and Canadian standards. Suitable for wet locations. IP66 Rated for outdoor use.

NOTES

1. All WPXK wall packs come with 6kV surge protection standard, except WPX1 LED P1 package which comes with 2.5kV surge protection standard. Add SPD6kV option to get WPX1 LED P1 with 6kV surge protection.
Sample nomenclature: WPX1 LED P1 40K MiVOLT SPD6KV DO6ND
2. Battery pack options only available on WPX1 and WPX2.
3. Battery pack options not available with 347V and PLE options.

WYING can be installed directly onto a stainless steel support block. WYING's integral construction allows it to be used as a stand-off or mounted flush against a wall. The design provides a secure conductive path on surfaces that don't have an electrical junction box. WYING can be made in the integral ground compartment in all cases. WYING is only recommended for installations with LEV facing downwards.

LISTINGS

CSA Certified to meet U.S. and Canadian standards. Suitable for wet locations. IP66 Rated. Designlights Consortium® DCL qualified product. Not all versions of this product may be DCL qualified. Please check the DCL Qualified Products List at www.designlights.com/DCL to confirm which versions are approved. International Dark Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express or implied warranties are hereby disclaimed.

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25°C.

| Luminaire | Equivalent HID Lamp | WPE Input Power |
|-------------|---------------------|-----------------|
| WPX1 LED P1 | 100W | 17W |
| WPX1 LED P2 | 150W | 24W |
| WPX2 | 250W | 42W |
| WPX3 | 400W | 69W |

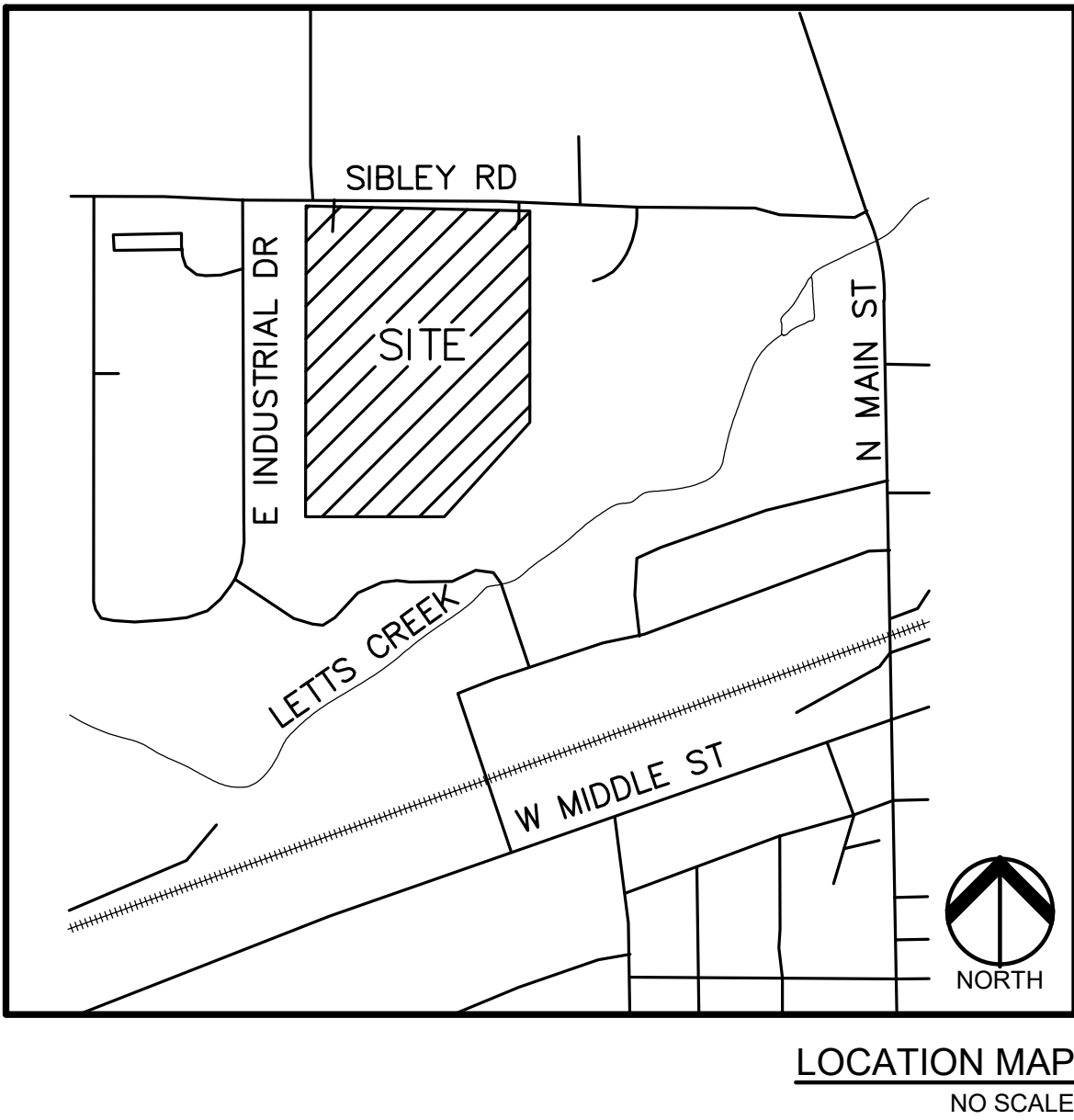
| Luminaires | Equivalent HID Lamp | NPE Input Power |
|-------------|---------------------|-----------------|
| NPX1 LED P1 | 300W | 17W |
| NPX1 LED P2 | 150W | 24W |
| NPX2 | 250W | 47W |
| NPX3 | 400W | 69W |



REVISED SITE & CONSTRUCTION PLANS

GESTAMP
5800 SIBLEY ROAD
CHELSEA, MICHIGAN 48118

| PERMIT / APPROVAL SUMMARY | | |
|---------------------------|---------------|-------------------|
| DATE SUBMITTED | DATE APPROVED | PERMIT / APPROVAL |
| 1/20/2023 | | FINAL SITE PLAN |



| INDEX OF DRAWINGS | |
|-------------------|---|
| NUMBER | TITLE |
| | COVER SHEET |
| C-1.0 | TOPOGRAPHIC SURVEY |
| C-1.1 | TREE SURVEY INDEX TABLE |
| C-1.2 | TREE SURVEY INDEX TABLE |
| C-1.3 | TREE SURVEY INDEX TABLE |
| C-2.0 | DEMOLITION PLAN |
| C-2.1 | TREE REPLACEMENT CALCULATIONS |
| C-2.2 | TREE REPLACEMENT CALCULATIONS |
| C-2.3 | TREE REPLACEMENT CALCULATIONS |
| C-3.0 | OVERALL SITE PLAN |
| C-3.1 | ENLARGED SITE PLAN |
| C-4.0 | GRADING PLAN |
| C-5.0 | SOIL EROSION AND SEDIMENTATION CONTROL PLAN |
| C-5.1 | SOIL EROSION CONTROL NOTES AND DETAILS |
| C-6.0 | UTILITY PLAN |
| C-6.1 | STORM WATER MANAGEMENT PLAN |
| C-6.1a | STORMWATER TREATMENT AND DETENTION DETAILS |
| C-7.0 | MISCELLANEOUS DETAILS |
| C-7.1 | NOTES |
| L-1.0 | LANDSCAPE PLAN |
| L-1.1 | LANDSCAPE DETAILS |
| L-2.1 | LANDSCAPE SPECIFICATIONS |
| L-2.2 | LANDSCAPE SPECIFICATIONS |

DESIGN TEAM

| OWNER/APPLICANT/DEVELOPER | CIVIL ENGINEER |
|--|---|
| GESTAMP 5800 SIBLEY ROAD CHELSEA, MI 48118 CONTACT: JOSE LUIS, MARTIN ESTEBAN PHONE: 248.321.5236 EMAIL: JMARTINESTEBAN@US.GESTAMP.COM CONTACT: SHAWN FALLOT PHONE: 517.605.8606 EMAIL: SFALLOT@US.GESTAMP.COM | PEA GROUP 3135 PINE TREE ROAD, SUITE D LANSING, MI 48911 CONTACT: ALAN BOYER, PE PHONE: 844.813.2949 EMAIL: ABOYER@PEAGROUP.COM CONTACT: ERIC A. IVERSEN, PE PHONE: 844.813.2949 EMAIL: EIVERSEN@PEAGROUP.COM |
| ARCHITECT | LANDSCAPE ARCHITECT |
| WILLIAM A. KIBBE & ASSOCIATES 1475 S. WASHINGTON AVE. SAGINAW, MI 48601 CONTACT: IVARS DZIRNIS PHONE: 989.752.5000 EMAIL: BDZIRNIS@KIBBE.COM | PEA GROUP 7927 NEMCO WAY, STE. 115 BRIGHTON, MI 48116 CONTACT: JANET EVANS, PLA PHONE: 844.813.2949 EMAIL: JEVANS@PEAGROUP.COM |



UTILITY PROVIDERS

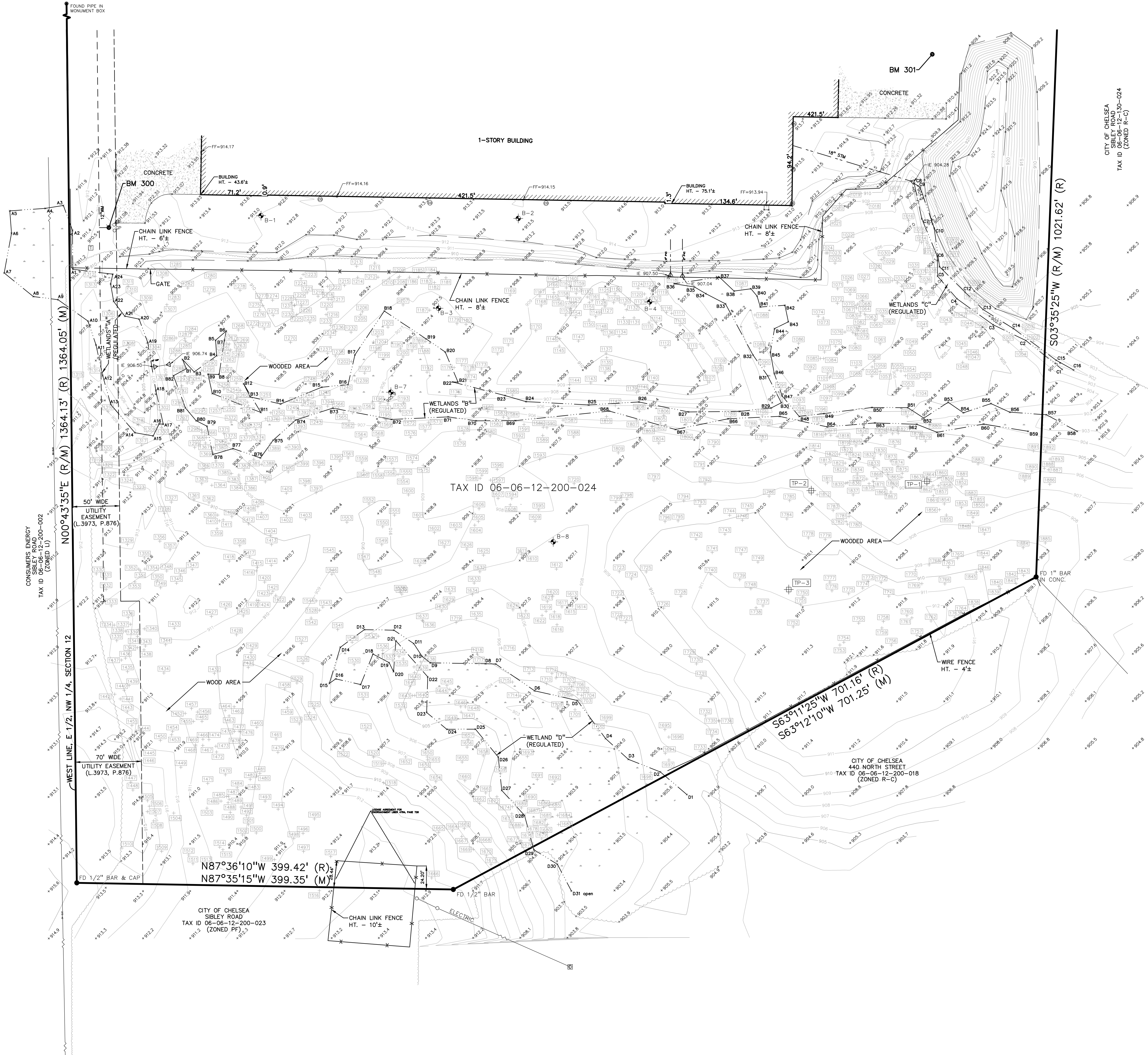
PHONE: AT&T
FIBER/CABLE: COMCAST
GAS: DTE
ELECTRIC: CONSUMERS ENERGY
ELECTRIC: CITY OF CHELSEA
WATER: CITY OF CHELSEA
SANITARY SEWER: CITY OF CHELSEA
STORM DRAIN: CITY OF CHELSEA

| REVISIONS | |
|---------------------|-----------|
| DESCRIPTION | DATE |
| ORIGINAL ISSUE DATE | 1/20/2023 |



NOT FOR CONSTRUCTION

\\pea\proj\projects\2022\2022-0484 - CHELSEA\DWG\CONSTRUCTION (C-C)-(L-C)-(L-3)\190-32-0484.dwg PLOT DATE: 1/20/2022 7:57 AM PLOT: SHAWN PUGH



LEGEND:

- OH-ELEC-WY-O EX. OH. ELEC. POLE & GUY WIRE
- UG-CATV-TY EX. U.G. CABLE TV & PEDESTAL
- UG-COMM-TY EX. U.G. COMMUNICATION LINE, PEDESTAL & MANHOLE
- UG-ELEC-TY EX. U.G. ELEC. MANHOLE, METER & HANDHOLE
- EX. GAS LINE
- EX. GAS VALVE & GAS LINE MARKER
- EX. TRANSFORMER & IRRIGATION VALVE
- EX. WATER MAIN
- EX. HYDRANT, GATE VALVE & POST INDICATOR VALVE
- EX. WATER VALVE BOX & SHUTOFF
- EX. SANITARY SEWER
- EX. SANITARY CLEANOUT & MANHOLE
- EX. COMBINED SEWER MANHOLE
- EX. STORM SEWER
- EX. CLEANOUT & MANHOLE
- EX. SQUARE, ROUND, & BEEHIVE CATCH BASIN
- EX. YARD DRAIN & ROOF DRAIN
- EX. UNIDENTIFIED STRUCTURE
- EX. MAILBOX, SIGN & LIGHTPOLE
- EX. FENCE
- EX. GUARD RAIL
- EX. SPOT ELEVATION
- EX. CONTOUR
- EX. WETLAND
- IRON FOUND / SET
- NAIL FOUND / NAIL & CAP SET
- BRASS PLUG SET
- MONUMENT FOUND / SET
- SECTION CORNER FOUND
- RECORDED / MEASURED / CALCULATED
- INFILTRATION TEST PIT LOCATION
- SOIL BORING PIT LOCATION

REFERENCE DRAWINGS:

SURVEY PLAN - MOORE & BRUGGINK, INC. DATED APRIL 20, 2017

MISS DIG TICKET NO.: 2022080301697-000

| | |
|-------------|-------------------------------|
| CABLE | AT&T MAP A1, DATED 09/08/2022 |
| GAS | NO EMAIL AS 09/12/2022 |
| WATER MAIN | NO EMAIL AS 09/12/2022 |
| STORM SEWER | NO EMAIL AS 09/12/2022 |
| ELECTRIC | NO EMAIL AS 09/12/2022 |

PROPERTY DESCRIPTION

(PER MOORE & BRUGGINK, INC. SURVEY PLAN DATED APRIL 28, 2017)

Part of the East one-half of the Northwest one-quarter of Section 12, Town 2 South, Range 3 East, Village (now City) of Chelsea, Washtenaw County, Michigan, described as: COMMENCING at the North one-quarter corner of said Section 12; thence along the North line of said Section 12 and along the centerline of Sibley Road, North 87°36'10" West 250.44 feet to the POINT OF BEGINNING; thence South 03°35'25" West 1021.61 feet; thence South 63°11'25" West 701.16 feet; thence North 87°36'10" West 399.42 feet to the West line of the East one-half of the Northwest one-quarter of said Section 12; thence along said West line North 00°43'35" East 1364.13 feet to the North line of said Section 12 and the centerline of Sibley Road; thence along the North line and along said centerline South 87°36'10" East 1072.49 feet to the point of beginning.

TOGETHER WITH a non-exclusive easement for ingress and egress across the Southerly 30 feet of Lot 5 of Chelsea Industrial Park, Village (now City) of Chelsea, Washtenaw County, Michigan as set forth in the Easement Agreement recorded in Liber 4050, Page 755.

SURVEYOR'S NOTES

1) Bearing base on west line of survey property Per Boundary information obtained from a prior survey by MOORE & BRUGGINK, INC., Job No. 170148.01. dated APRIL 28, 2017.

BENCHMARKS

(GPS DERIVED - NAVD88)

BM 300 - Arrow on fire hydrant off the the West of the Southwest building corner. Elevation: 912.78

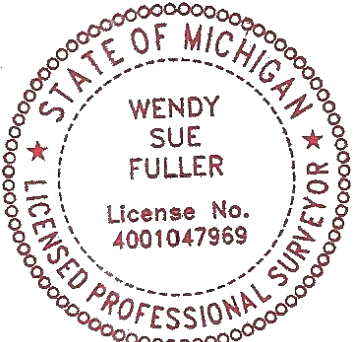
BM 301 - Set Mag Nail in the West side of concrete light pole base East of building. Elevation: 912.71

FLOODPLAIN NOTE:

By graphical plotting, site is within zone 'x', area determined to be outside of the 0.2% annual chance floodplain per flood insurance rate map number 26161c0184e dated April 3, 2012.

PEA
GROUP

t: 844.813.2949
www.peagroup.com



0 25 50 100
SCALE: 1" = 50'



CAUTION!!
THE LOCATIONS AND ELEVATIONS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS DRAWING ARE ONLY APPROXIMATE. NO GUARANTEE OR OTHER EXPRESSED OR IMPLIED AS TO THE COMPLETENESS OR ACCURACY THEREOF. THE CONTRACTOR SHALL BE EXCLUSIVELY RESPONSIBLE FOR DETERMINING THE EXACT UTILITY LOCATIONS AND ELEVATIONS PRIOR TO THE START OF CONSTRUCTION.



CLIENT

GESTAMP
5800 SIBLEY ROAD
CHELSEA, MICHIGAN 48118

PROJECT TITLE

GESTAMP
5800 SIBLEY ROAD
CHELSEA, MICHIGAN 48118

REVISIONS

| | |
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| | |
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| | |
| | |
| | |

ORIGINAL ISSUE DATE:
SEPTEMBER 8, 2022

DRAWING TITLE

**TOPOGRAPHIC
SURVEY**

PEA JOB NO. 2022-0484

P.M. JH

SUR. WSF

DN. JML

DRAWING NUMBER:

NOT FOR CONSTRUCTION

C-1.0

\\pea\p\proj\PROJECTS\2022\2022-0484 - GESTAMP - ADDITION - CHELSEA\DWG\CONSTRUCTION (C-1.0)_C-1.1\DWG-22-0484.dwg PLOT DATE: 1/20/2022 7:57 AM BY: Shannon Pugh

| TAG NO. | CODE | DBH | COMMON NAME | LATIN NAME | COND | COMMENTS |
|---------|------|-----|-------------------|-----------------------|-----------|----------|
| 1001 | CT | 9 | Cottonwood | Populus deltoides | Fair | |
| 1002 | BWW | 8 | Black Willow | Salix nigra | Fair | x2 |
| 1003 | BWW | 8 | Black Willow | Salix nigra | Fair | |
| 1004 | RC | 6 | Red Cedar | Juniperus virginiana | Poor | |
| 1005 | CT | 6 | Cottonwood | Populus deltoides | Fair | |
| 1006 | CT | 10 | Cottonwood | Populus deltoides | Good | |
| 1007 | CT | 10 | Cottonwood | Populus deltoides | Good | |
| 1008 | CT | 12 | Cottonwood | Populus deltoides | Good | |
| 1009 | CT | 12 | Cottonwood | Populus deltoides | Good | |
| 1010 | CT | 13 | Cottonwood | Populus deltoides | Good | |
| 1011 | NS | 8 | Norway Spruce | Picea Abies | Good | |
| 1012 | CT | 14 | Cottonwood | Populus deltoides | Good | |
| 1013 | BG | 6 | Bigtooth Aspen | Populus grandidentata | Fair | |
| 1014 | BG | 10 | Bigtooth Aspen | Populus grandidentata | Fair | |
| 1015 | CT | 6 | Cottonwood | Populus deltoides | Fair | |
| 1016 | BWW | 12 | Black Willow | Salix nigra | Fair | |
| 1017 | BX | 18 | Box elder | Acer negundo | Fair | |
| 1018 | BX | 8 | Box elder | Acer negundo | Fair | x5 |
| 1019 | BX | 14 | Box elder | Acer negundo | Poor | |
| 1020 | CT | 29 | Cottonwood | Populus deltoides | Good | x1 |
| 1021 | CT | 10 | Cottonwood | Populus deltoides | Poor | |
| 1022 | BC | 9 | Wild Black Cherry | Prunus serotina | Good | |
| 1023 | E | 6 | American Elm | Ulmus americana | Good | |
| 1024 | MW | 10 | White Mulberry | Morus alba | Good | x1 |
| 1025 | RC | 8 | Red Cedar | Juniperus virginiana | Poor | |
| 1026 | BG | 8 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1027 | BG | 7 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1028 | BG | 6 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1029 | BG | 6 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1030 | BG | 8 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1031 | BG | 8 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1032 | CT | 23 | Cottonwood | Populus deltoides | Good | |
| 1033 | BO | 9 | Black Oak | Quercus velutina | Good | |
| 1034 | BG | 6 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1035 | BG | 6 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1036 | CT | 9 | Cottonwood | Populus deltoides | Fair | |
| 1037 | CT | 7 | Cottonwood | Populus deltoides | Good | |
| 1038 | CT | 9 | Cottonwood | Populus deltoides | Good | |
| 1039 | BG | 6 | Bigtooth Aspen | Populus grandidentata | Fair | |
| 1040 | BG | 8 | Bigtooth Aspen | Populus grandidentata | Fair | |
| 1041 | BG | 6 | Bigtooth Aspen | Populus grandidentata | Very Poor | |
| 1042 | BG | 6 | Bigtooth Aspen | Populus grandidentata | Fair | |
| 1043 | CT | 11 | Cottonwood | Populus deltoides | Good | |
| 1044 | BG | 6 | Bigtooth Aspen | Populus grandidentata | Fair | |
| 1045 | BG | 6 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1046 | BG | 8 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1047 | CT | 6 | Cottonwood | Populus deltoides | Fair | |
| 1048 | CT | 6 | Cottonwood | Populus deltoides | Fair | |
| 1049 | CT | 6 | Cottonwood | Populus deltoides | Fair | |
| 1050 | CT | 6 | Cottonwood | Populus deltoides | Fair | |
| 1051 | CT | 6 | Cottonwood | Populus deltoides | Fair | |
| 1052 | CT | 9 | Cottonwood | Populus deltoides | Fair | |
| 1053 | CT | 6 | Cottonwood | Populus deltoides | Fair | |
| 1054 | CT | 11 | Cottonwood | Populus deltoides | Good | |
| 1055 | BG | 15 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1056 | BG | 11 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1057 | BG | 7 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1058 | BG | 6 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1059 | CT | 8 | Cottonwood | Populus deltoides | Fair | |
| 1060 | CT | 18 | Cottonwood | Populus deltoides | Good | |
| 1061 | BG | 6 | Bigtooth Aspen | Populus grandidentata | Fair | |
| 1062 | CT | 12 | Cottonwood | Populus deltoides | Good | |
| 1063 | BG | 6 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1064 | BG | 6 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1065 | BG | 8 | Bigtooth Aspen | Populus grandidentata | Fair | |
| 1066 | BG | 9 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1067 | BG | 9 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1068 | BG | 9 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1069 | BG | 8 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1070 | BG | 9 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1071 | BG | 9 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1072 | BF | 10 | Balsam Fir | Abies balsamea | Good | |
| 1073 | BG | 7 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1074 | BG | 7 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1075 | BG | 9 | Bigtooth Aspen | Populus grandidentata | Poor | |
| 1076 | BG | 7 | Bigtooth Aspen | Populus grandidentata | Poor | |
| 1077 | BG | 6 | Bigtooth Aspen | Populus grandidentata | Very Poor | |
| 1078 | BG | 6 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1079 | BG | 10 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1080 | BG | 10 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1081 | BG | 9 | Bigtooth Aspen | Populus grandidentata | Poor | |
| 1082 | BG | 13 | Bigtooth Aspen | Populus grandidentata | Poor | |
| 1083 | BG | 6 | Bigtooth Aspen | Populus grandidentata | Fair | |
| 1084 | CT | 11 | Cottonwood | Populus deltoides | Good | |
| 1085 | CT | 15 | Cottonwood | Populus deltoides | Good | |
| 1086 | RC | 7 | Red Cedar | Juniperus virginiana | Poor | |
| 1087 | CT | 21 | Cottonwood | Populus deltoides | Good | |
| 1088 | CT | 20 | Cottonwood | Populus deltoides | Good | |
| 1089 | CT | 20 | Cottonwood | Populus deltoides | Good | |
| 1090 | CT | 11 | Cottonwood | Populus deltoides | Fair | |
| 1091 | CT | 11 | Cottonwood | Populus deltoides | Fair | |
| 1092 | BG | 6 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1093 | CT | 12 | Cottonwood | Populus deltoides | Good | |
| 1094 | CT | 17 | Cottonwood | Populus deltoides | Fair | |
| 1095 | CT | 13 | Cottonwood | Populus deltoides | Fair | |
| 1096 | CT | 11 | Cottonwood | Populus deltoides | Good | |
| 1097 | BG | 7 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1098 | CT | 12 | Cottonwood | Populus deltoides | Fair | |

| TAG NO. | CODE | DBH | COMMON NAME | LATIN NAME | COND | COMMENTS |
|---------|------|-----|-------------------|-----------------------|-----------|----------|
| 1099 | BG | 6 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1100 | CT | 13 | Cottonwood | Populus deltoides | Good | |
| 1101 | CT | 18 | Cottonwood | Populus deltoides | Good | |
| 1102 | CT | 13 | Cottonwood | Populus deltoides | Fair | |
| 1103 | BC | 7 | Wild Black Cherry | Prunus serotina | Fair | |
| 1104 | BG | 6 | Bigtooth Aspen | Populus grandidentata | Fair | |
| 1105 | CT | 16 | Cottonwood | Populus deltoides | Good | |
| 1106 | CT | 6 | Cottonwood | Populus deltoides | Fair | |
| 1107 | BC | 9 | Wild Black Cherry | Prunus serotina | Fair | |
| 1108 | BO | 9 | Black Oak | Quercus velutina | Good | |
| 1109 | BC | 15 | Wild Black Cherry | Prunus serotina | Good | |
| 1110 | BX | 13 | Box elder | Acer negundo | Good | x1 |
| 1111 | BO | 13 | Black Oak | Quercus velutina | Good | x1 |
| 1112 | CA | 10 | Crab Apple | Malus caronaria | Very Poor | |
| 1113 | BO | 12 | Black Oak | Quercus velutina | Fair | |
| 1114 | BO | 12 | Black Oak | Quercus velutina | Fair | |
| 1115 | BO | 6 | Black Oak | Quercus velutina | Fair | |
| 1116 | BO | 13 | Black Oak | Quercus velutina | Fair | |
| 1117 | BO | 8 | Black Oak | Quercus velutina | Good | |
| 1118 | BX | 7 | Box elder | Acer negundo | Fair | |
| 1119 | BO | 16 | Black Oak | Quercus velutina | Fair | x1 |
| 1120 | BO | 14 | Black Oak | Quercus velutina | Good | |
| 1121 | BO | 10 | Black Oak | Quercus velutina | Good | |
| 1122 | BO | 15 | Black Oak | Quercus velutina | Good | |
| 1123 | BO | 14 | Black Oak | Quercus velutina | Fair | |
| 1124 | BO | 9 | Black Oak | Quercus velutina | Fair | |
| 1125 | BC | 10 | Wild Black Cherry | Prunus serotina | Poor | |
| 1126 | BO | 9 | Black Oak | Quercus velutina | Fair | |
| 1127 | BO | 7 | Black Oak | Quercus velutina | Fair | |
| 1128 | BO | 11 | Black Oak | Quercus velutina | Fair | |
| 1129 | BO | 13 | Black Oak | Quercus velutina | Fair | |
| 1130 | BO | 7 | Black Oak | Quercus velutina | Fair | |
| 1131 | BO | 16 | Black Oak | Quercus velutina | Fair | |
| 1132 | BO | 12 | Black Oak | Quercus velutina | Fair | |
| 1133 | BO | 20 | Black Oak | Quercus velutina | Good | |
| 1134 | BO | 10 | Black Oak | Quercus velutina | Fair | x1 |
| 1135 | BO | 12 | Black Oak | Quercus velutina | Poor | x1 |
| 1136 | BO | 7 | Black Oak | Quercus velutina | Very Poor | |
| 1137 | BO | 34 | Black Oak | Quercus velutina | Good | x1 |
| 1138 | CA | 15 | Crab Apple | Malus caronaria | Very Poor | |
| 1139 | BC | 21 | Wild Black Cherry | Prunus serotina | Good | x1 |
| 1140 | CA | 8 | Crab Apple | Malus caronaria | Very Poor | |
| 1141 | BC | 8 | Wild Black Cherry | Prunus serotina | Good | |
| 1142 | RC | 6 | Red Cedar | Juniperus virginiana | Very Poor | x1 |
| 1143 | RC | 11 | Red Cedar | Juniperus virginiana | Very Poor | |
| 1144 | EE | 20 | Siberian Elm | Ulmus pumila | Good | |
| 1145 | BC | 16 | Wild Black Cherry | Prunus serotina | Fair | x1 |
| 1146 | RC | 12 | Red Cedar | Juniperus virginiana | Fair | |
| 1147 | BO | 22 | Black Oak | Quercus velutina | Fair | |
| 1148 | RC | 9 | Red Cedar | Juniperus virginiana | Fair | |
| 1149 | BO | 9 | Black Oak | Quercus velutina | Fair | |
| 1150 | BO | 7 | Black Oak | Quercus velutina | Fair | |
| 1151 | BC | 11 | Wild Black Cherry | Prunus serotina | Good | |
| 1152 | BO | 11 | Black Oak | Quercus velutina | Fair | |
| 1153 | BO | 15 | Black Oak | Quercus velutina | Fair | |
| 1154 | BO | 11 | Black Oak | Quercus velutina | Fair | |
| 1155 | BO | 8 | Black Oak | Quercus velutina | Fair | |
| 1156 | BO | 19 | Black Oak | Quercus velutina | Good | x1 |
| 1157 | BO | 10 | Black Oak | Quercus velutina | Good | |
| 1158 | BO | 19 | Black Oak | Quercus velutina | Good | |
| 1159 | BC | 6 | Wild Black Cherry | Prunus serotina | Good | |
| 1160 | BO | 13 | Black Oak | Quercus velutina | Fair | |
| 1161 | BC | 13 | Wild Black Cherry | Prunus serotina | Good | |
| 1162 | BO | 13 | Black Oak | Quercus velutina | Fair | |
| 1163 | BO | 11 | Black Oak | Quercus velutina | Good | |
| 1164 | BC | 8 | Wild Black Cherry | Prunus serotina | Poor | |
| 1165 | BO | 17 | Black Oak | Quercus velutina | Good | |
| 1166 | BO | 6 | Black Oak | Quercus velutina | Good | |
| 1167 | BO | 7 | Black Oak | Quercus velutina | Fair | |
| 1168 | BO | 21 | Black Oak | Quercus velutina | Fair | |
| 1169 | BX | 14 | Box elder | Acer negundo | Fair | |
| 1170 | SWO | 7 | Swamp White Oak | Quercus bicolor | Good | |
| 1171 | E | 6 | American Elm | Ulmus americana | Good | |
| 1172 | SWO | 6 | Swamp White Oak | Quercus bicolor | Good | |
| 1173 | BC | 12 | Wild Black Cherry | Prunus serotina | Good | |
| 1174 | BG | 10 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1175 | BG | 11 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1176 | BX | 9 | Box elder | Acer negundo | Fair | |
| 1177 | SWO | 11 | Swamp White Oak | Quercus bicolor | Good | |
| 1178 | SWO | 12 | Swamp White Oak | Quercus bicolor | Good | |
| 1179 | BX | 11 | Box elder | Acer negundo | Fair | |
| 1180 | SWO | 20 | Swamp White Oak | Quercus bicolor | Good | |
| 1181 | BX | 15 | Box elder | Acer negundo | Good | x5 |
| 1182 | BX | 16 | Box elder | Acer negundo | Good | x1 |
| 1183 | MW | 7 | White Mulberry | Morus alba | Good | |
| 1184 | BX | 14 | Box elder | Acer negundo | Good | |
| 1185 | BX | 8 | Box elder | Acer negundo | Good | |
| 1186 | BX | 15 | Box elder | Acer negundo | Good | |
| 1187 | SWO | 6 | Swamp White Oak | Quercus bicolor | Good | |
| 1188 | SWO | 6 | Swamp White Oak | Quercus bicolor | Good | |
| 1189 | SWO | 10 | Swamp White Oak | Quercus bicolor | Good | |
| 1190 | SWO | 11 | Swamp White Oak | Quercus bicolor | Good | |
| 1191 | BX | 15 | Box elder | Acer negundo | Fair | |
| 1192 | SWO | 6 | Swamp White Oak | Quercus bicolor | Good | |
| 1193 | BWW | 20 | Black Willow | Salix nigra | Good | |
| 1194 | E | 9 | American Elm | Ulmus americana | Good | |
| 1195 | BWW | 19 | Black Willow | Salix nigra | Good | x1 |
| 1196 | E | 11 | American Elm | Ulmus americana | Good | |
| 1197 | SWO | 9 | Swamp White Oak | Quercus bicolor | Good | |

| TAG NO. | CODE | DBH | COMMON NAME | LATIN NAME | COND | COMMENTS |
|---------|------|-----|-------------------|-----------------------|------|----------|
| 1198 | BWW | 32 | Black Willow | Salix nigra | Good | |
| 1199 | BX | 9 | Box elder | Acer negundo | Poor | |
| 1200 | BX | 9 | Box elder | Acer negundo | Poor | |
| 1201 | BX | 14 | Box elder | Acer negundo | Poor | |
| 1202 | SM | 31 | Silver Maple | Acer saccharinum | Good | x4 |
| 1203 | E | 11 | American Elm | Ulmus americana | Good | |
| 1204 | E | 9 | American Elm | Ulmus americana | Good | |
| 1205 | BWW | 38 | Black Willow | Salix nigra | Poor | |
| 1206 | BC | 11 | Wild Black Cherry | Prunus serotina | Good | |
| 1207 | BX | 9 | Box elder | Acer negundo | Good | |
| 1208 | BX | 6 | Box elder | Acer negundo | Good | |
| 1209 | BX | 13 | Box elder | Acer negundo | Good | |
| 1210 | BX | 14 | Box elder | Acer negundo | Good | x4 |
| 1211 | BX | 7 | Box elder | Acer negundo | Good | |
| 1212 | BX | 8 | Box elder | Acer negundo | Fair | |
| 1213 | BX | 7 | Box elder | Acer negundo | Fair | |
| 1214 | BX | 12 | Box elder | Acer negundo | Fair | |
| 1215 | BX | 9 | Box elder | Acer negundo | Fair | |
| 1216 | BX | 8 | Box elder | Acer negundo | Good | |
| 1217 | BX | 11 | Box elder | Acer negundo | Fair | x1 |
| 1218 | BX | 6 | Box elder | Acer negundo | Fair | |
| 1219 | BX | 8 | Box elder | Acer negundo | Good | |
| 1220 | BX | 8 | Box elder | Acer negundo | Fair | |
| 1221 | CT | 28 | Cottonwood | Populus deltoides | Good | |
| 1222 | CT | 15 | Cottonwood | Populus deltoides | Good | |
| 1223 | CT | 19 | Cottonwood | Populus deltoides | Good | |
| 1224 | CT | 14 | Cottonwood | Populus deltoides | Good | |
| 1225 | CT | 16 | Cottonwood | Populus deltoides | Good | |
| 1226 | CT | 16 | Cottonwood | Populus deltoides | Good | |
| 1227 | CT | 9 | Cottonwood | Populus deltoides | Good | |
| 1228 | CT | 19 | Cottonwood | Populus deltoides | Good | |
| 1229 | CT | 10 | Cottonwood | Populus deltoides | Good | |
| 1230 | CT | 19 | Cottonwood | Populus deltoides | Good | |
| 1231 | CT | 17 | Cottonwood | Populus deltoides | Good | x1 |
| 1232 | BX | 12 | Box elder | Acer negundo | Fair | |
| 1233 | SWO | 6 | Swamp White Oak | Quercus bicolor | Good | |
| 1234 | SWO | 7 | Swamp White Oak | Quercus bicolor | Good | |
| 1235 | BX | 8 | Box elder | Acer negundo | Fair | |
| 1236 | BC | 14 | Wild Black Cherry | Prunus serotina | Fair | |
| 1237 | SWO | 8 | Swamp White Oak | Quercus bicolor | Good | |
| 1238 | BC | 14 | Wild Black Cherry | Prunus serotina | Good | |
| 1239 | E | 8 | American Elm | Ulmus americana | Good | |
| 1240 | SWO | 7 | Swamp White Oak | Quercus bicolor | Good | |
| 1241 | E | 10 | American Elm | Ulmus americana | Good | |
| 1242 | SWO | 9 | Swamp White Oak | Quercus bicolor | Good | |
| 1243 | E | 10 | American Elm | Ulmus americana | Good | |
| 1244 | BG | 9 | Bigtooth Aspen | Populus grandidentata | Poor | |
| 1245 | SWO | 8 | Swamp White Oak | Quercus bicolor | Good | |
| 1246 | SWO | 10 | Swamp White Oak | Quercus bicolor | Good | |
| 1247 | PO | 11 | Pin Oak | Quercus palustris | Good | |
| 1248 | PO | 9 | Pin Oak | Quercus palustris | Fair | |
| 1249 | BO | 20 | Black Oak | Quercus velutina | Good | |
| 1250 | CT | 12 | Cottonwood | Populus deltoides | Good | x1 |
| 1251 | E | 13 | American Elm | Ulmus americana | Good | |
| 1252 | CT | 13 | Cottonwood | Populus deltoides | Good | |
| 1253 | E | 11 | American Elm | Ulmus americana | Good | |
| 1254 | CT | 11 | Cottonwood | Populus deltoides | Good | |
| 1255 | CT | 7 | Cottonwood | Populus deltoides | Good | |
| 1256 | CT | 21 | Cottonwood | Populus deltoides | Good | |
| 1257 | CT | 9 | Cottonwood | Populus deltoides | Good | |
| 1258 | CT | 18 | Cottonwood | Populus deltoides | Good | |
| 1259 | E | 6 | American Elm | Ulmus americana | Good | |
| 1260 | E | 10 | American Elm | Ulmus americana | Good | |
| 1261 | CT | 18 | Cottonwood | Populus deltoides | Good | |
| 1262 | CT | 6 | Cottonwood | Populus deltoides | Good | |
| 1263 | CT | 6 | Cottonwood | Populus deltoides | Good | |
| 1264 | CT | 11 | Cottonwood | Populus deltoides | Good | |
| 1265 | CT | 15 | Cottonwood | Populus deltoides | Good | |
| 1266 | CT | 17 | Cottonwood | Populus deltoides | Good | |
| 1267 | CT | 19 | Cottonwood | Populus deltoides | Good | |
| 1268 | CT | 18 | Cottonwood | Populus deltoides | Good | |
| 1269 | CT | 17 | Cottonwood | Populus deltoides | Good | |
| 1270 | SWO | 8 | Swamp White Oak | Quercus bicolor | Good | |
| 1271 | RC | 8 | Red Cedar | Juniperus virginiana | Fair | |
| 1272 | BX | 7 | Box elder | Acer negundo | Good | |
| 1273 | BX | 8 | Box elder | Acer negundo | Good | |
| 1274 | BX | 11 | Box elder | Acer negundo | Good | |
| 1275 | CT | 18 | Cottonwood | Populus deltoides | Good | |
| 1276 | CT | 13 | Cottonwood | Populus deltoides | Good | |
| 1277 | CT | 11 | Cottonwood | Populus deltoides | Fair | |
| 1278 | SWO | 7 | Swamp White Oak | Quercus bicolor | Good | |
| 1279 | SWO | 7 | Swamp White Oak | Quercus bicolor | Good | |
| 1280 | BX | 16 | Box elder | Acer negundo | Good | |
| 1281 | E | 10 | American Elm | Ulmus americana | Fair | |
| 1282 | E | 6 | American Elm | Ulmus americana | Good | |
| 1283 | CT | 24 | Cottonwood | Populus deltoides | Good | |
| 1284 | CT | 20 | Cottonwood | Populus deltoides | Good | |
| 1285 | CT | 16 | Cottonwood | Populus deltoides | Good | |
| 1286 | CT | 6 | Cottonwood | Populus deltoides | Poor | |
| 1287 | CT | 17 | Cottonwood | Populus deltoides | Fair | |
| 1288 | BX | 6 | Box elder | Acer negundo | Fair | |
| 1289 | E | 8 | American Elm | Ulmus americana | Good | |
| 1290 | BX | 16 | Box elder | Acer negundo | Fair | |
| 1291 | BX | 7 | Box elder | Acer negundo | Poor | |
| 1292 | BWW | 13 | Black Willow | Salix nigra | Fair | |
| 1293 | E | 13 | American Elm | Ulmus americana | Good | |
| 1294 | CT | 32 | Cottonwood | Populus deltoides | | x3 |
| 1295 | E | 9 | American Elm | Ulmus americana | Good | |
| 1296 | CT | 19 | Cottonwood | Populus deltoides | Good | |

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| TAG NO. | CODE | DBH | COMMON NAME | LATIN NAME | COND | COMMENTS |
|---------|------|-----|-------------------|----------------------|-----------|----------|
| 1297 | CT | 16 | Cottonwood | Populus deltoides | Poor | |
| 1298 | BX | 6 | Box elder | Acer negundo | Poor | |
| 1299 | BX | 11 | Box elder | Acer negundo | Fair | |
| 1300 | BX | 8 | Box elder | Acer negundo | Good | |
| 1301 | BX | 7 | Box elder | Acer negundo | Fair | |
| 1302 | BX | 7 | Box elder | Acer negundo | Good | |
| 1303 | BX | 6 | Box elder | Acer negundo | Good | |
| 1304 | BX | 6 | Box elder | Acer negundo | Fair | |
| 1305 | SM | 10 | Silver Maple | Acer saccharinum | Good | |
| 1306 | BWW | 7 | Black Willow | Salix nigra | Good | |
| 1307 | E | 15 | American Elm | Ulmus americana | Good | |
| 1308 | E | 10 | American Elm | Ulmus americana | Good | |
| 1309 | E | 6 | American Elm | Ulmus americana | Good | |
| 1310 | E | 8 | American Elm | Ulmus americana | Good | |
| 1311 | CT | 32 | Cottonwood | Populus deltoides | Good | |
| 1312 | E | 6 | American Elm | Ulmus americana | Good | |
| 1313 | BWW | 10 | Black Willow | Salix nigra | Good | x1 |
| 1314 | BR | 27 | Bur oak | Quercus macrocarpa | Good | x1 |
| 1315 | BX | 6 | Box elder | Acer negundo | Good | |
| 1316 | BX | 18 | Box elder | Acer negundo | Good | |
| 1317 | BX | 29 | Box elder | Acer negundo | Good | x2 |
| 1318 | BC | 6 | Wild Black Cherry | Prunus serotina | Good | |
| 1319 | BX | 11 | Box elder | Acer negundo | Good | |
| 1320 | BX | 9 | Box elder | Acer negundo | Good | |
| 1321 | BC | 7 | Wild Black Cherry | Prunus serotina | Good | |
| 1322 | BX | 8 | Box elder | Acer negundo | Good | |
| 1323 | BX | 6 | Box elder | Acer negundo | Good | |
| 1324 | SM | 54 | Silver Maple | Acer saccharinum | Good | x1 |
| 1325 | SM | 18 | Silver Maple | Acer saccharinum | Good | |
| 1326 | BX | 8 | Box elder | Acer negundo | Very Poor | |
| 1327 | BX | 13 | Box elder | Acer negundo | Poor | |
| 1328 | BX | 11 | Box elder | Acer negundo | Fair | |
| 1329 | MW | 7 | White Mulberry | Morus alba | Good | |
| 1330 | BC | 7 | Wild Black Cherry | Prunus serotina | Fair | |
| 1331 | BC | 8 | Wild Black Cherry | Prunus serotina | Fair | |
| 1332 | RC | 8 | Red Cedar | Juniperus virginiana | Good | |
| 1333 | BC | 9 | Wild Black Cherry | Prunus serotina | Good | x1 |
| 1334 | BC | 9 | Wild Black Cherry | Prunus serotina | Good | |
| 1335 | BC | 7 | Wild Black Cherry | Prunus serotina | Fair | |
| 1336 | CT | 10 | Cottonwood | Populus deltoides | Good | |
| 1337 | CT | 12 | Cottonwood | Populus deltoides | Good | |
| 1338 | CT | 8 | Cottonwood | Populus deltoides | Good | |
| 1339 | CT | 18 | Cottonwood | Populus deltoides | Good | |
| 1340 | CT | 7 | Cottonwood | Populus deltoides | Good | |
| 1341 | CT | 7 | Cottonwood | Populus deltoides | Good | |
| 1342 | CT | 16 | Cottonwood | Populus deltoides | Good | |
| 1343 | CT | 7 | Cottonwood | Populus deltoides | Good | |
| 1344 | RC | 7 | Red Cedar | Juniperus virginiana | Fair | x1 |
| 1345 | BX | 9 | Box elder | Acer negundo | Good | |
| 1346 | BX | 8 | Box elder | Acer negundo | Good | |
| 1347 | BX | 8 | Box elder | Acer negundo | Good | |
| 1348 | AA | 7 | Tree-of-Heaven | Ailanthus Altissima | Good | |
| 1349 | BO | 17 | Black Oak | Quercus velutina | Poor | |
| 1350 | BWW | 11 | Black Willow | Salix nigra | Fair | x3 |
| 1351 | RC | 7 | Red Cedar | Juniperus virginiana | Fair | x1 |
| 1352 | BO | 16 | Black Oak | Quercus velutina | Good | |
| 1353 | RC | 8 | Red Cedar | Juniperus virginiana | Fair | |
| 1354 | BO | 13 | Black Oak | Quercus velutina | Good | |
| 1355 | BO | 21 | Black Oak | Quercus velutina | Fair | |
| 1356 | BO | 7 | Black Oak | Quercus velutina | Fair | |
| 1357 | BX | 6 | Box elder | Acer negundo | Fair | |
| 1358 | CT | 25 | Cottonwood | Populus deltoides | Good | |
| 1359 | BX | 10 | Box elder | Acer negundo | Good | x1 |
| 1360 | BX | 9 | Box elder | Acer negundo | Good | |
| 1361 | BX | 10 | Box elder | Acer negundo | Fair | |
| 1362 | BX | 10 | Box elder | Acer negundo | Fair | |
| 1363 | CT | 23 | Cottonwood | Populus deltoides | Fair | |
| 1364 | BX | 6 | Box elder | Acer negundo | Good | |
| 1365 | SWO | 11 | Swamp White Oak | Quercus bicolor | Good | |
| 1366 | CT | 18 | Cottonwood | Populus deltoides | Good | |
| 1367 | CT | 16 | Cottonwood | Populus deltoides | Good | |
| 1368 | CT | 12 | Cottonwood | Populus deltoides | Good | |
| 1369 | CT | 9 | Cottonwood | Populus deltoides | Good | |
| 1370 | CT | 9 | Cottonwood | Populus deltoides | Good | |
| 1371 | E | 6 | American Elm | Ulmus americana | Good | |
| 1372 | E | 7 | American Elm | Ulmus americana | Good | |
| 1373 | CT | 17 | Cottonwood | Populus deltoides | Good | |
| 1374 | CT | 16 | Cottonwood | Populus deltoides | Good | |
| 1375 | CT | 14 | Cottonwood | Populus deltoides | Good | |
| 1376 | E | 9 | American Elm | Ulmus americana | Good | |
| 1377 | CT | 12 | Cottonwood | Populus deltoides | Good | |
| 1378 | CT | 7 | Cottonwood | Populus deltoides | Good | |
| 1379 | CT | 10 | Cottonwood | Populus deltoides | Poor | |
| 1380 | CT | 18 | Cottonwood | Populus deltoides | Poor | |
| 1381 | SWO | 7 | Swamp White Oak | Quercus bicolor | Good | |
| 1382 | E | 7 | American Elm | Ulmus americana | Good | |
| 1383 | CT | 14 | Cottonwood | Populus deltoides | Good | |
| 1384 | E | 8 | American Elm | Ulmus americana | Good | |
| 1385 | E | 12 | American Elm | Ulmus americana | Good | |
| 1386 | BO | 6 | Black Oak | Quercus velutina | Good | |
| 1387 | SWO | 6 | Swamp White Oak | Quercus bicolor | Good | |
| 1388 | E | 6 | American Elm | Ulmus americana | Good | |
| 1389 | E | 15 | American Elm | Ulmus americana | Good | |
| 1390 | SWO | 9 | Swamp White Oak | Quercus bicolor | Good | |
| 1391 | SWO | 8 | Swamp White Oak | Quercus bicolor | Good | |
| 1392 | SWO | 6 | Swamp White Oak | Quercus bicolor | Fair | |
| 1393 | BX | 10 | Box elder | Acer negundo | Poor | |
| 1394 | E | 13 | American Elm | Ulmus americana | Fair | |
| 1395 | BC | 9 | Wild Black Cherry | Prunus serotina | Good | |

| TAG NO. | CODE | DBH | COMMON NAME | LATIN NAME | COND | COMMENTS |
|---------|------|-----|-------------------|-----------------------|-----------|----------|
| 1396 | CA | 10 | Crab Apple | Malus caronaria | Very Poor | |
| 1397 | CA | 13 | Crab Apple | Malus caronaria | Very Poor | |
| 1398 | SM | 9 | Silver Maple | Acer saccharinum | Fair | |
| 1399 | E | 7 | American Elm | Ulmus americana | Fair | |
| 1400 | E | 8 | American Elm | Ulmus americana | Fair | |
| 1401 | CA | 7 | Crab Apple | Malus caronaria | Very Poor | x2 |
| 1402 | BC | 11 | Wild Black Cherry | Prunus serotina | Fair | |
| 1403 | BC | 24 | Wild Black Cherry | Prunus serotina | Fair | |
| 1404 | BC | 11 | Wild Black Cherry | Prunus serotina | Fair | |
| 1405 | BO | 16 | Black Oak | Quercus velutina | Fair | |
| 1406 | BC | 6 | Wild Black Cherry | Prunus serotina | Fair | |
| 1407 | BC | 9 | Wild Black Cherry | Prunus serotina | Fair | |
| 1408 | BC | 11 | Wild Black Cherry | Prunus serotina | Fair | |
| 1409 | BC | 16 | Wild Black Cherry | Prunus serotina | Fair | |
| 1410 | RC | 9 | Red Cedar | Juniperus virginiana | Fair | |
| 1411 | RC | 10 | Red Cedar | Juniperus virginiana | Fair | |
| 1412 | RC | 11 | Red Cedar | Juniperus virginiana | Fair | |
| 1413 | BL | 13 | Black Locust | Robinia pseudoacacia | Good | |
| 1414 | BC | 12 | Wild Black Cherry | Prunus serotina | Fair | x7 |
| 1415 | BC | 9 | Wild Black Cherry | Prunus serotina | Good | |
| 1416 | RC | 11 | Red Cedar | Juniperus virginiana | Fair | x1 |
| 1417 | RC | 11 | Red Cedar | Juniperus virginiana | Fair | |
| 1418 | AA | 7 | Tree-of-Heaven | Ailanthus Altissima | Good | |
| 1419 | BX | 11 | Box elder | Acer negundo | Good | |
| 1420 | BX | 10 | Box elder | Acer negundo | Good | |
| 1421 | BX | 9 | Box elder | Acer negundo | Good | |
| 1422 | BX | 12 | Box elder | Acer negundo | Good | |
| 1423 | BX | 6 | Box elder | Acer negundo | Poor | |
| 1424 | SWO | 11 | Swamp White Oak | Quercus bicolor | Good | |
| 1425 | CA | 14 | Crab Apple | Malus caronaria | Poor | x1 |
| 1426 | BX | 8 | Box elder | Acer negundo | Fair | |
| 1427 | BX | 14 | Box elder | Acer negundo | Good | x1 |
| 1428 | RC | 8 | Red Cedar | Juniperus virginiana | Fair | |
| 1429 | RC | 8 | Red Cedar | Juniperus virginiana | Fair | |
| 1430 | SWO | 15 | Swamp White Oak | Quercus bicolor | Good | |
| 1431 | RC | 6 | Red Cedar | Juniperus virginiana | Fair | |
| 1432 | CT | 26 | Cottonwood | Populus deltoides | Good | |
| 1433 | RC | 9 | Red Cedar | Juniperus virginiana | Fair | x1 |
| 1434 | RC | 8 | Red Cedar | Juniperus virginiana | Fair | |
| 1435 | AS | 12 | Quaking Aspen | Populus tremuloides | Fair | |
| 1436 | AS | 8 | Quaking Aspen | Populus tremuloides | Good | |
| 1437 | BO | 16 | Black Oak | Quercus velutina | Good | |
| 1438 | AS | 6 | Quaking Aspen | Populus tremuloides | Good | |
| 1439 | BO | 10 | Black Oak | Quercus velutina | Good | x1 |
| 1440 | BO | 13 | Black Oak | Quercus velutina | Good | x1 |
| 1441 | WO | 9 | White Oak | Quercus alba | Good | |
| 1442 | WO | 8 | White Oak | Quercus alba | Good | |
| 1443 | WO | 19 | White Oak | Quercus alba | Good | |
| 1444 | AS | 8 | Quaking Aspen | Populus tremuloides | Good | |
| 1445 | AS | 9 | Quaking Aspen | Populus tremuloides | Good | |
| 1446 | BO | 18 | Black Oak | Quercus velutina | Good | |
| 1447 | BO | 14 | Black Oak | Quercus velutina | Good | |
| 1448 | SH | 11 | Shagbark Hickory | Carya ovata | Good | |
| 1449 | RC | 11 | Red Cedar | Juniperus virginiana | Fair | |
| 1450 | BX | 6 | Box elder | Acer negundo | Fair | x1 |
| 1451 | RC | 8 | Red Cedar | Juniperus virginiana | Fair | |
| 1452 | AS | 6 | Quaking Aspen | Populus tremuloides | Fair | |
| 1453 | BG | 7 | Bigtooth Aspen | Populus grandidentata | Fair | |
| 1454 | BG | 8 | Bigtooth Aspen | Populus grandidentata | Very Poor | |
| 1455 | CT | 19 | Cottonwood | Populus deltoides | Fair | |
| 1456 | CT | 10 | Cottonwood | Populus deltoides | Fair | |
| 1457 | CT | 11 | Cottonwood | Populus deltoides | Fair | |
| 1458 | BC | 8 | Wild Black Cherry | Prunus serotina | Good | |
| 1459 | WO | 7 | White Oak | Quercus alba | Good | |
| 1460 | RC | 9 | Red Cedar | Juniperus virginiana | Fair | |
| 1461 | RC | 11 | Red Cedar | Juniperus virginiana | Fair | |
| 1462 | CT | 16 | Cottonwood | Populus deltoides | Good | |
| 1463 | CT | 9 | Cottonwood | Populus deltoides | Good | |
| 1464 | RC | 9 | Red Cedar | Juniperus virginiana | Fair | |
| 1465 | CT | 6 | Cottonwood | Populus deltoides | Good | |
| 1466 | CT | 10 | Cottonwood | Populus deltoides | Good | |
| 1467 | CT | 8 | Cottonwood | Populus deltoides | Good | |
| 1468 | CT | 9 | Cottonwood | Populus deltoides | Good | |
| 1469 | CT | 14 | Cottonwood | Populus deltoides | Good | |
| 1470 | RC | 12 | Red Cedar | Juniperus virginiana | Fair | |
| 1471 | CT | 23 | Cottonwood | Populus deltoides | Good | |
| 1472 | CT | 9 | Cottonwood | Populus deltoides | Poor | |
| 1473 | CT | 8 | Cottonwood | Populus deltoides | Poor | |
| 1474 | CT | 10 | Cottonwood | Populus deltoides | Fair | |
| 1475 | CT | 7 | Cottonwood | Populus deltoides | Fair | |
| 1476 | CT | 12 | Cottonwood | Populus deltoides | Fair | |
| 1477 | CT | 14 | Cottonwood | Populus deltoides | Fair | |
| 1478 | CT | 11 | Cottonwood | Populus deltoides | Good | |
| 1479 | RC | 10 | Red Cedar | Juniperus virginiana | Fair | |
| 1480 | BC | 14 | Wild Black Cherry | Prunus serotina | Fair | |
| 1481 | BC | 16 | Wild Black Cherry | Prunus serotina | Fair | |
| 1482 | EE | 10 | Siberian Elm | Ulmus pumila | Fair | |
| 1483 | RC | 8 | Red Cedar | Juniperus virginiana | Fair | |
| 1484 | CT | 14 | Cottonwood | Populus deltoides | Good | |
| 1485 | CT | 25 | Cottonwood | Populus deltoides | Good | |
| 1486 | CT | 13 | Cottonwood | Populus deltoides | Good | |
| 1487 | CT | 6 | Cottonwood | Populus deltoides | Good | |
| 1488 | CT | 7 | Cottonwood | Populus deltoides | Good | |
| 1489 | CT | 12 | Cottonwood | Populus deltoides | Fair | |
| 1490 | CT | 9 | Cottonwood | Populus deltoides | Poor | |
| 1491 | CT | 15 | Cottonwood | Populus deltoides | Fair | |
| 1492 | CT | 9 | Cottonwood | Populus deltoides | Fair | |
| 1493 | CA | 9 | Crab Apple | Malus caronaria | Poor | |
| 1494 | BG | 6 | Bigtooth Aspen | Populus grandidentata | Good | |

| AG NO. | CODE | DBH | COMMON NAME | LATIN NAME | COND | COMMENTS |
|--------|------|-----|-------------------|-----------------------|-----------|----------|
| 1495 | BO | 15 | Black Oak | Quercus velutina | Good | |
| 1496 | BC | 15 | Wild Black Cherry | Prunus serotina | Fair | |
| 1497 | BC | 15 | Wild Black Cherry | Prunus serotina | Fair | |
| 1498 | CA | 6 | Crab Apple | Malus caranaria | Poor | |
| 1499 | SM | 8 | Silver Maple | Acer saccharinum | Good | |
| 1500 | BG | 9 | Bigtooth Aspen | Populus grandidentata | Very Poor | |
| 1501 | BG | 8 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1502 | CT | 11 | Cottonwood | Populus deltoides | Poor | x1 |
| 1503 | RC | 6 | Red Cedar | Juniperus virginiana | Fair | |
| 1504 | CT | 16 | Cottonwood | Populus deltoides | Fair | |
| 1505 | BO | 23 | Black Oak | Quercus velutina | Good | |
| 1506 | BO | 15 | Black Oak | Quercus velutina | Good | |
| 1507 | BO | 15 | Black Oak | Quercus velutina | Good | |
| 1508 | BX | 21 | Box elder | Acer negundo | Good | x1 |
| 1509 | CA | 10 | Crab Apple | Malus caranaria | Very Poor | x1 |
| 1510 | E | 12 | American Elm | Ulmus americana | Good | |
| 1511 | CT | 6 | Cottonwood | Populus deltoides | Good | |
| 1512 | BG | 10 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1513 | BG | 12 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1514 | BG | 12 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1515 | BG | 7 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1516 | BC | 12 | Wild Black Cherry | Prunus serotina | Good | x1 |
| 1517 | BC | 12 | Wild Black Cherry | Prunus serotina | Poor | x2 |
| 1518 | BO | 6 | Black Oak | Quercus velutina | Good | |
| 1519 | BX | 11 | Box elder | Acer negundo | Good | x1 |
| 1520 | BW | 8 | Black Walnut | Juglans nigra | Good | |
| 1521 | WO | 6 | White Oak | Quercus alba | Good | |
| 1522 | BC | 20 | Wild Black Cherry | Prunus serotina | Fair | x2 |
| 1523 | BC | 10 | Wild Black Cherry | Prunus serotina | Good | |
| 1524 | BX | 6 | Box elder | Acer negundo | Good | |
| 1525 | CA | 15 | Crab Apple | Malus caranaria | Very Poor | |
| 1526 | BX | 10 | Box elder | Acer negundo | Fair | |
| 1527 | CA | 10 | Crab Apple | Malus caranaria | Very Poor | x2 |
| 1528 | BC | 21 | Wild Black Cherry | Prunus serotina | Good | |
| 1529 | CT | 26 | Cottonwood | Populus deltoides | Good | |
| 1530 | BX | 12 | Box elder | Acer negundo | Good | |
| 1531 | WO | 24 | White Oak | Quercus alba | Good | |
| 1532 | BX | 21 | Box elder | Acer negundo | Fair | x2 |
| 1533 | BX | 7 | Box elder | Acer negundo | Fair | |
| 1534 | BX | 7 | Box elder | Acer negundo | Fair | |
| 1535 | CT | 42 | Cottonwood | Populus deltoides | Good | |
| 1536 | BX | 7 | Box elder | Acer negundo | Good | |
| 1537 | BX | 8 | Box elder | Acer negundo | Fair | |
| 1538 | BO | 13 | Black Oak | Quercus velutina | Good | |
| 1539 | CA | 13 | Crab Apple | Malus caranaria | Very Poor | x2 |
| 1540 | CA | 13 | Crab Apple | Malus caranaria | Very Poor | x3 |
| 1541 | CA | 9 | Crab Apple | Malus caranaria | Very Poor | |
| 1542 | BC | 9 | Wild Black Cherry | Prunus serotina | Fair | |
| 1543 | BC | 13 | Wild Black Cherry | Prunus serotina | Fair | |
| 1544 | BC | 14 | Wild Black Cherry | Prunus serotina | Fair | x1 |
| 1545 | E | 8 | American Elm | Ulmus americana | Good | |
| 1546 | BC | 16 | Wild Black Cherry | Prunus serotina | Good | |
| 1547 | BC | 15 | Wild Black Cherry | Prunus serotina | Fair | x1 |
| 1548 | BX | 12 | Box elder | Acer negundo | Fair | |
| 1549 | BX | 7 | Box elder | Acer negundo | Good | |
| 1550 | E | 8 | American Elm | Ulmus americana | Good | |
| 1551 | E | 6 | American Elm | Ulmus americana | Good | |
| 1552 | E | 9 | American Elm | Ulmus americana | Good | |
| 1553 | BC | 27 | Wild Black Cherry | Prunus serotina | Good | |
| 1554 | E | 8 | American Elm | Ulmus americana | Good | |
| 1555 | BC | 12 | Wild Black Cherry | Prunus serotina | Good | |
| 1556 | BC | 8 | Wild Black Cherry | Prunus serotina | Good | |
| 1557 | BC | 11 | Wild Black Cherry | Prunus serotina | Good | |
| 1558 | BC | 12 | Wild Black Cherry | Prunus serotina | Fair | |
| 1559 | CA | 11 | Crab Apple | Malus caranaria | Very Poor | |
| 1560 | BO | 20 | Black Oak | Quercus velutina | Good | |
| 1561 | BC | 10 | Wild Black Cherry | Prunus serotina | Fair | |
| 1562 | BC | 9 | Wild Black Cherry | Prunus serotina | Good | |
| 1563 | BO | 13 | Black Oak | Quercus velutina | Good | |
| 1564 | CT | 17 | Cottonwood | Populus deltoides | Good | |
| 1565 | CT | 7 | Cottonwood | Populus deltoides | Poor | |
| 1566 | SWO | 6 | Swamp White Oak | Quercus bicolor | Good | |
| 1567 | BWW | 13 | Black Willow | Salix nigra | Fair | |
| 1568 | BWW | 14 | Black Willow | Salix nigra | Fair | |
| 1569 | BWW | 18 | Black Willow | Salix nigra | Fair | |
| 1570 | BWW | 19 | Black Willow | Salix nigra | Fair | |
| 1571 | BWW | 18 | Black Willow | Salix nigra | Fair | |
| 1572 | BWW | 23 | Black Willow | Salix nigra | Fair | |
| 1573 | E | 8 | American Elm | Ulmus americana | Good | |
| 1574 | BX | 10 | Box elder | Acer negundo | Fair | |
| 1575 | BWW | 23 | Black Willow | Salix nigra | Fair | |
| 1576 | SM | 26 | Silver Maple | Acer saccharinum | Good | |
| 1577 | SM | 23 | Silver Maple | Acer saccharinum | Good | |
| 1578 | SM | 21 | Silver Maple | Acer saccharinum | Good | |
| 1579 | BWW | 22 | Black Willow | Salix nigra | Poor | |
| 1580 | BWW | 22 | Black Willow | Salix nigra | Good | |
| 1581 | SWO | 7 | Swamp White Oak | Quercus bicolor | Good | |
| 1582 | CT | 42 | Cottonwood | Populus deltoides | Good | |
| 1583 | CT | 20 | Cottonwood | Populus deltoides | Good | |
| 1584 | CT | 15 | Cottonwood | Populus deltoides | Good | |
| 1585 | SWO | 8 | Swamp White Oak | Quercus bicolor | Good | |
| 1586 | CT | 24 | Cottonwood | Populus deltoides | Good | |
| 1587 | SWO | 10 | Swamp White Oak | Quercus bicolor | Fair | |
| 1588 | E | 6 | American Elm | Ulmus americana | Good | |
| 1589 | BO | 14 | Black Oak | Quercus velutina | Good | |
| 1590 | E | 12 | American Elm | Ulmus americana | Good | |
| 1591 | MW | 11 | White Mulberry | Morus alba | Fair | |
| 1592 | BG | 8 | Bigtooth Aspen | Populus grandidentata | Fair | |
| 1593 | BW | 10 | Black Walnut | Juglans nigra | Good | |

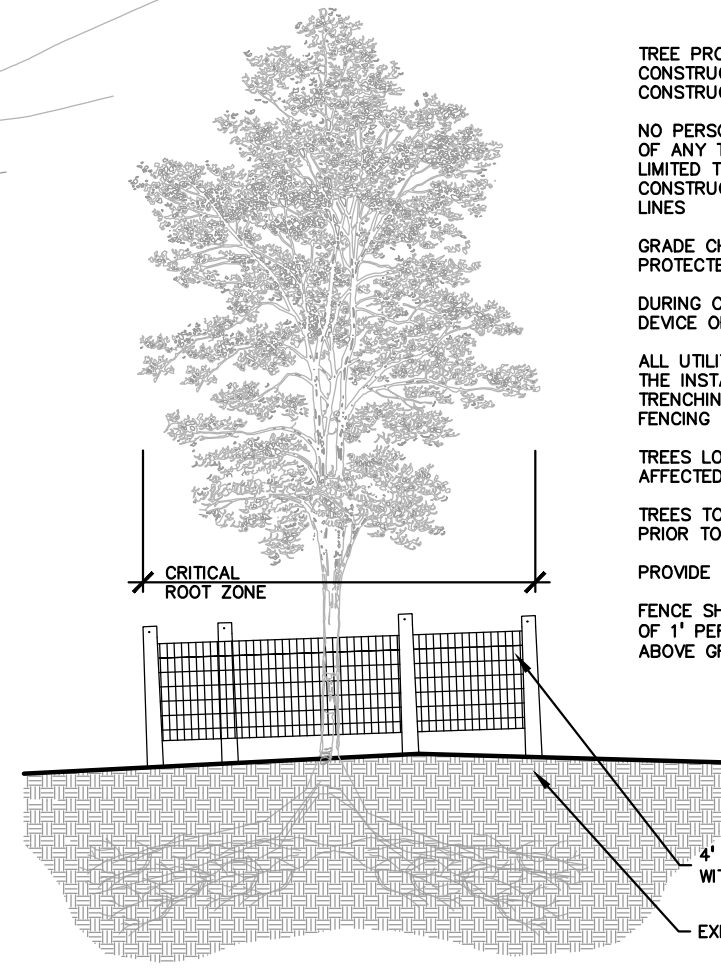
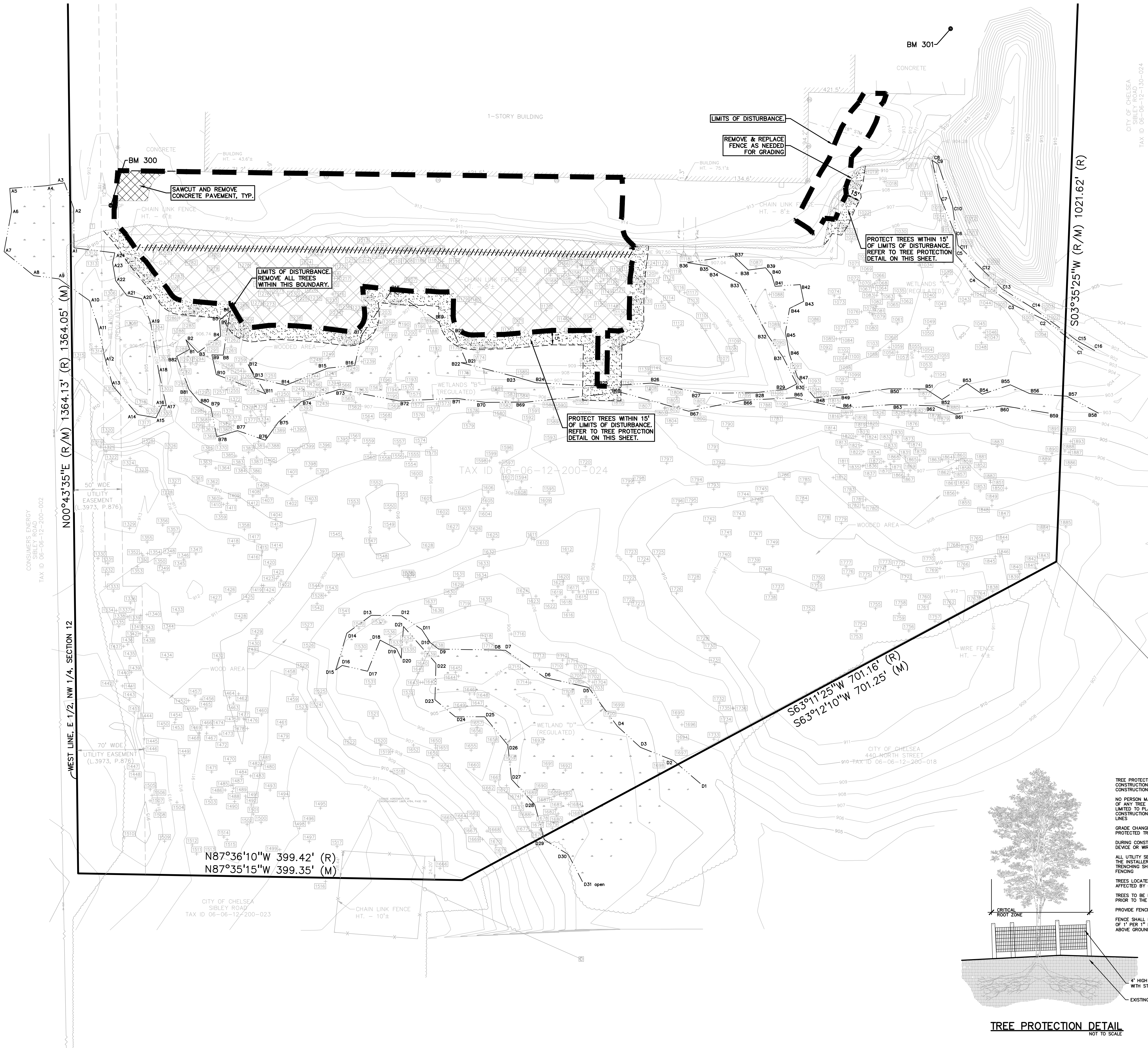
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| TAG NO. | CODE | DBH | COMMON NAME | LATIN NAME | COND | COMMENTS |
|---------|------|-----|-------------------|-----------------------|-----------|----------|
| 1594 | BX | 13 | Box elder | Acer negundo | Fair | |
| 1595 | BO | 25 | Black Oak | Quercus velutina | Good | |
| 1596 | BX | 8 | Box elder | Acer negundo | Fair | |
| 1597 | BWW | 21 | Black Willow | Salix nigra | Good | |
| 1598 | BWW | 22 | Black Willow | Salix nigra | Very Poor | |
| 1599 | BWW | 30 | Black Willow | Salix nigra | Fair | |
| 1600 | BP | 15 | Bradford Pear | Pyrus calleryanna | Fair | |
| 1601 | BC | 14 | Wild Black Cherry | Prunus serotina | Poor | |
| 1602 | CA | 11 | Crab Apple | Malus caronaria | Very Poor | |
| 1603 | E | 7 | American Elm | Ulmus americana | Fair | |
| 1604 | E | 7 | American Elm | Ulmus americana | Fair | |
| 1605 | E | 15 | American Elm | Ulmus americana | Fair | |
| 1606 | E | 8 | American Elm | Ulmus americana | Fair | |
| 1607 | SWO | 10 | Swamp White Oak | Quercus bicolor | Good | |
| 1608 | BX | 13 | Box elder | Acer negundo | Fair | |
| 1609 | RC | 12 | Red Cedar | Juniperus virginiana | Very Poor | |
| 1610 | BC | 18 | Wild Black Cherry | Prunus serotina | Good | |
| 1611 | BC | 16 | Wild Black Cherry | Prunus serotina | Fair | |
| 1612 | BX | 24 | Box elder | Acer negundo | Poor | |
| 1613 | BX | 11 | Box elder | Acer negundo | Fair | |
| 1614 | BX | 14 | Box elder | Acer negundo | Fair | |
| 1615 | BX | 14 | Box elder | Acer negundo | Poor | |
| 1616 | BX | 15 | Box elder | Acer negundo | Fair | |
| 1617 | BX | 10 | Box elder | Acer negundo | Poor | |
| 1618 | BC | 13 | Wild Black Cherry | Prunus serotina | Fair | |
| 1619 | BX | 9 | Box elder | Acer negundo | Poor | |
| 1620 | BX | 6 | Box elder | Acer negundo | Very Poor | |
| 1621 | BX | 7 | Box elder | Acer negundo | Fair | |
| 1622 | BX | 16 | Box elder | Acer negundo | Fair | |
| 1623 | BG | 12 | Bigtooth Aspen | Populus grandidentata | Fair | |
| 1624 | BX | 12 | Box elder | Acer negundo | Fair | |
| 1625 | BC | 16 | Wild Black Cherry | Prunus serotina | Good | |
| 1626 | BC | 23 | Wild Black Cherry | Prunus serotina | Good | |
| 1627 | BW | 7 | Black Walnut | Juglans nigra | Fair | |
| 1628 | BX | 8 | Box elder | Acer negundo | Fair | |
| 1629 | BC | 31 | Wild Black Cherry | Prunus serotina | Fair | |
| 1630 | BW | 6 | Black Walnut | Juglans nigra | Fair | |
| 1631 | BC | 12 | Wild Black Cherry | Prunus serotina | Fair | |
| 1632 | AS | 12 | Quaking Aspen | Populus tremuloides | Fair | |
| 1633 | AS | 11 | Quaking Aspen | Populus tremuloides | Fair | |
| 1634 | BX | 7 | Box elder | Acer negundo | Fair | |
| 1635 | BX | 9 | Box elder | Acer negundo | Poor | |
| 1636 | BC | 18 | Wild Black Cherry | Prunus serotina | Fair | |
| 1637 | CA | 8 | Crab Apple | Malus caronaria | Fair | |
| 1638 | BX | 8 | Box elder | Acer negundo | Good | |
| 1639 | BX | 7 | Box elder | Acer negundo | Fair | |
| 1640 | BX | 6 | Box elder | Acer negundo | Fair | |
| 1641 | BWW | 16 | Black Willow | Salix nigra | Fair | |
| 1642 | BX | 12 | Box elder | Acer negundo | Poor | |
| 1643 | BX | 25 | Box elder | Acer negundo | Fair | |
| 1644 | BWW | 14 | Black Willow | Salix nigra | Poor | |
| 1645 | CT | 14 | Cottonwood | Populus deltoides | Fair | |
| 1646 | BWW | 10 | Black Willow | Salix nigra | Fair | |
| 1647 | BWW | 12 | Black Willow | Salix nigra | Fair | |
| 1648 | BWW | 7 | Black Willow | Salix nigra | Very Poor | |
| 1649 | BX | 10 | Box elder | Acer negundo | Fair | |
| 1650 | CA | 23 | Crab Apple | Malus caronaria | Very Poor | |
| 1651 | SWO | 8 | Swamp White Oak | Quercus bicolor | Fair | |
| 1652 | BC | 9 | Wild Black Cherry | Prunus serotina | Poor | |
| 1653 | BC | 6 | Wild Black Cherry | Prunus serotina | Good | |
| 1654 | CA | 8 | Crab Apple | Malus caronaria | Poor | |
| 1655 | SWO | 6 | Swamp White Oak | Quercus bicolor | Fair | |
| 1656 | SWO | 6 | Swamp White Oak | Quercus bicolor | Fair | |
| 1657 | BX | 25 | Box elder | Acer negundo | Fair | |
| 1658 | SWO | 9 | Swamp White Oak | Quercus bicolor | Fair | |
| 1659 | BO | 12 | Black Oak | Quercus velutina | Good | |
| 1660 | SWO | 10 | Swamp White Oak | Quercus bicolor | Good | |
| 1661 | SWO | 7 | Swamp White Oak | Quercus bicolor | Good | |
| 1662 | BO | 18 | Black Oak | Quercus velutina | Good | |
| 1663 | BW | 6 | Black Walnut | Juglans nigra | Good | |
| 1664 | AS | 9 | Quaking Aspen | Populus tremuloides | Fair | |
| 1665 | BC | 6 | Wild Black Cherry | Prunus serotina | Good | |
| 1666 | BW | 8 | Black Walnut | Juglans nigra | Good | |
| 1667 | BW | 7 | Black Walnut | Juglans nigra | Good | |
| 1668 | CA | 15 | Crab Apple | Malus caronaria | Very Poor | |
| 1669 | BC | 12 | Wild Black Cherry | Prunus serotina | Fair | |
| 1670 | BO | 20 | Black Oak | Quercus velutina | Fair | |
| 1671 | BX | 12 | Box elder | Acer negundo | Poor | |
| 1672 | BC | 15 | Wild Black Cherry | Prunus serotina | Good | |
| 1673 | SWO | 12 | Swamp White Oak | Quercus bicolor | Good | |
| 1674 | SWO | 6 | Swamp White Oak | Quercus bicolor | Fair | |
| 1675 | SH | 6 | Shagbark Hickory | Carya ovata | Good | |
| 1676 | SH | 9 | Shagbark Hickory | Carya ovata | Fair | |
| 1677 | SWO | 9 | Swamp White Oak | Quercus bicolor | Good | |
| 1678 | BC | 18 | Wild Black Cherry | Prunus serotina | Poor | |
| 1679 | SWO | 7 | Swamp White Oak | Quercus bicolor | Fair | |
| 1680 | SWO | 14 | Swamp White Oak | Quercus bicolor | Good | |
| 1681 | SWO | 11 | Swamp White Oak | Quercus bicolor | Good | |
| 1682 | SWO | 10 | Swamp White Oak | Quercus bicolor | Good | |
| 1683 | SWO | 6 | Swamp White Oak | Quercus bicolor | Fair | |
| 1684 | SWO | 7 | Swamp White Oak | Quercus bicolor | Fair | |
| 1685 | SWO | 7 | Swamp White Oak | Quercus bicolor | Very Poor | |
| 1686 | SWO | 7 | Swamp White Oak | Quercus bicolor | Good | |
| 1687 | SWO | 10 | Swamp White Oak | Quercus bicolor | Good | |
| 1688 | SWO | 11 | Swamp White Oak | Quercus bicolor | Fair | |
| 1689 | SWO | 9 | Swamp White Oak | Quercus bicolor | Fair | |
| 1690 | SWO | 11 | Swamp White Oak | Quercus bicolor | Fair | |
| 1691 | SWO | 6 | Swamp White Oak | Quercus bicolor | Good | |
| 1692 | SWO | 42 | Swamp White Oak | Quercus bicolor | Good | |

| TAG NO. | CODE | DBH | COMMON NAME | LATIN NAME | COND | COMMENTS |
|---------|------|-----|-------------------|-----------------------|-----------|----------|
| 1693 | SWO | 15 | Swamp White Oak | Quercus bicolor | Good | |
| 1694 | SWO | 9 | Swamp White Oak | Quercus bicolor | Good | |
| 1695 | BC | 12 | Wild Black Cherry | Prunus serotina | Good | |
| 1696 | BX | 9 | Box elder | Acer negundo | Good | |
| 1697 | BO | 22 | Black Oak | Quercus velutina | Good | |
| 1698 | SH | 11 | Shagbark Hickory | Carya ovata | Good | |
| 1699 | SWO | 13 | Swamp White Oak | Quercus bicolor | Good | |
| 1700 | BO | 26 | Black Oak | Quercus velutina | Fair | |
| 1701 | BX | 8 | Box elder | Acer negundo | Fair | |
| 1702 | BX | 6 | Box elder | Acer negundo | Fair | |
| 1703 | BX | 10 | Box elder | Acer negundo | Fair | |
| 1704 | BX | 8 | Box elder | Acer negundo | Fair | |
| 1705 | BX | 6 | Box elder | Acer negundo | Fair | |
| 1706 | BX | 6 | Box elder | Acer negundo | Fair | |
| 1707 | BX | 9 | Box elder | Acer negundo | Good | |
| 1708 | BX | 11 | Box elder | Acer negundo | Fair | |
| 1709 | BX | 10 | Box elder | Acer negundo | Fair | |
| 1710 | BC | 10 | Wild Black Cherry | Prunus serotina | Good | |
| 1711 | BX | 6 | Box elder | Acer negundo | Fair | |
| 1712 | BC | 8 | Box elder | Acer negundo | Fair | |
| 1713 | BC | 20 | Wild Black Cherry | Prunus serotina | Fair | |
| 1714 | BX | 9 | Box elder | Acer negundo | Fair | |
| 1715 | BG | 10 | Bigtooth Aspen | Populus grandidentata | Very Poor | |
| 1716 | BC | 14 | Wild Black Cherry | Prunus serotina | Poor | |
| 1717 | BX | 6 | Box elder | Acer negundo | Fair | |
| 1718 | E | 7 | American Elm | Ulmus americana | Good | |
| 1719 | BX | 6 | Box elder | Acer negundo | Fair | |
| 1720 | BO | 16 | Black Oak | Quercus velutina | Fair | |
| 1721 | BX | 7 | Box elder | Acer negundo | Fair | |
| 1722 | BX | 18 | Box elder | Acer negundo | Fair | |
| 1723 | RC | 7 | Red Cedar | Juniperus virginiana | Fair | |
| 1724 | BC | 7 | Wild Black Cherry | Prunus serotina | Good | |
| 1725 | BC | 10 | Wild Black Cherry | Prunus serotina | Good | |
| 1726 | BC | 8 | Wild Black Cherry | Prunus serotina | Good | |
| 1727 | BX | 10 | Box elder | Acer negundo | Fair | |
| 1728 | BX | 15 | Box elder | Acer negundo | Fair | |
| 1729 | BC | 16 | Wild Black Cherry | Prunus serotina | Fair | |
| 1730 | BC | 20 | Wild Black Cherry | Prunus serotina | Fair | |
| 1731 | CA | 8 | Crab Apple | Malus caronaria | Very Poor | |
| 1732 | BC | 12 | Wild Black Cherry | Prunus serotina | Fair | |
| 1733 | CA | 8 | Crab Apple | Malus caronaria | Very Poor | |
| 1734 | BC | 19 | Wild Black Cherry | Prunus serotina | Good | |
| 1735 | BC | 12 | Wild Black Cherry | Prunus serotina | Good | |
| 1736 | BX | 12 | Box elder | Acer negundo | Good | |
| 1737 | BX | 7 | Box elder | Acer negundo | Fair | |
| 1738 | WO | 7 | White Oak | Quercus alba | Good | |
| 1739 | BC | 12 | Wild Black Cherry | Prunus serotina | Good | |
| 1740 | CA | 17 | Crab Apple | Malus caronaria | Poor | |
| 1741 | BX | 7 | Box elder | Acer negundo | Fair | |
| 1742 | BX | 8 | Box elder | Acer negundo | Good | |
| 1743 | CA | 9 | Crab Apple | Malus caronaria | Very Poor | |
| 1744 | BC | 18 | Wild Black Cherry | Prunus serotina | Poor | |
| 1745 | RC | 7 | Red Cedar | Juniperus virginiana | Poor | |
| 1746 | BX | 14 | Box elder | Acer negundo | Poor | |
| 1747 | CA | 7 | Crab Apple | Malus caronaria | Very Poor | |
| 1748 | C | 14 | Catalpa | Catalpa speciosa | Very Poor | |
| 1749 | BC | 16 | Wild Black Cherry | Prunus serotina | Fair | |
| 1750 | CA | 14 | Crab Apple | Malus caronaria | Very Poor | |
| 1751 | BX | 6 | Box elder | Acer negundo | Poor | |
| 1752 | BO | 6 | Black Oak | Quercus velutina | Good | |
| 1753 | WO | 8 | White Oak | Quercus alba | Good | |
| 1754 | WO | 6 | White Oak | Quercus alba | Good | |
| 1755 | BX | 11 | Box elder | Acer negundo | Good | |
| 1756 | BC | 8 | Wild Black Cherry | Prunus serotina | Good | |
| 1757 | BC | 18 | Wild Black Cherry | Prunus serotina | Good | |
| 1758 | BX | 8 | Box elder | Acer negundo | Good | |
| 1759 | BC | 25 | Wild Black Cherry | Prunus serotina | Fair | |
| 1760 | BX | 8 | Box elder | Acer negundo | Poor | |
| 1761 | EE | 17 | Siberian Elm | Ulmus pumila | Good | |
| 1762 | BX | 23 | Box elder | Acer negundo | Poor | |
| 1763 | BO | 8 | Black Oak | Quercus velutina | Fair | |
| 1764 | BC | 7 | Wild Black Cherry | Prunus serotina | Good | |
| 1765 | RC | 10 | Red Cedar | Juniperus virginiana | Poor | |
| 1766 | RC | 7 | Red Cedar | Juniperus virginiana | Poor | |
| 1767 | RC | 8 | Red Cedar | Juniperus virginiana | Poor | |
| 1768 | RC | 7 | Red Cedar | Juniperus virginiana | Poor | |
| 1769 | RC | 9 | Red Cedar | Juniperus virginiana | Poor | |
| 1770 | BC | 17 | Wild Black Cherry | Prunus serotina | Good | |
| 1771 | BX | 10 | Box elder | Acer negundo | Poor | |
| 1772 | BX | 9 | Box elder | Acer negundo | Fair | |
| 1773 | BW | 7 | Black Walnut | Juglans nigra | Fair | |
| 1774 | BX | 6 | Box elder | Acer negundo | Fair | |
| 1775 | BW | 8 | Black Walnut | Juglans nigra | Fair | |
| 1776 | BW | 6 | Black Walnut | Juglans nigra | Fair | |
| 1777 | CA | 8 | Crab Apple | Malus caronaria | Very Poor | |
| 1778 | BX | 11 | Box elder | Acer negundo | Good | |
| 1779 | BC | 12 | Wild Black Cherry | Prunus serotina | Fair | |
| 1780 | BG | 9 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1781 | BC | 11 | Wild Black Cherry | Prunus serotina | Fair | |
| 1782 | RC | 7 | Red Cedar | Juniperus virginiana | Poor | |
| 1783 | BC | 7 | Wild Black Cherry | Prunus serotina | Good | |
| 1784 | BC | 19 | Wild Black Cherry | Prunus serotina | Good | |
| 1785 | BX | 18 | Box elder | Acer negundo | Fair | |
| 1786 | BC | 16 | Wild Black Cherry | Prunus serotina | Fair | |
| 1787 | BC | 15 | Wild Black Cherry | Prunus serotina | Good | |
| 1788 | CT | 13 | Cottonwood | Populus deltoides | Fair | |
| 1789 | CT | 15 | Cottonwood | Populus deltoides | Fair | |
| 1790 | CT | 24 | Cottonwood | Populus deltoides | Good | |
| 1791 | BC | 13 | Wild Black Cherry | Prunus serotina | Fair | |

| AG NO. | CODE | DBH | COMMON NAME | LATIN NAME | COND | COMMENTS |
|--------|------|-----|--------------------|-----------------------|-----------|----------|
| 1792 | EB | 13 | European Buckthorn | Rhamnus cathartica | Good | |
| 1793 | BO | 7 | Black Oak | Quercus velutina | Good | |
| 1794 | BX | 7 | Box elder | Acer negundo | Good | |
| 1795 | CA | 8 | Crab Apple | Malus caronana | Very Poor | |
| 1796 | BO | 9 | Black Oak | Quercus velutina | Good | |
| 1797 | BC | 13 | Wild Black Cherry | Prunus serotina | Good | |
| 1798 | BC | 18 | Wild Black Cherry | Prunus serotina | Good | |
| 1799 | BX | 11 | Box elder | Acer negundo | Fair | |
| 1800 | BC | 10 | Wild Black Cherry | Prunus serotina | Fair | |
| 1801 | CT | 13 | Cottonwood | Populus deltoides | Good | |
| 1802 | RC | 7 | Red Cedar | Juniperus virginiana | Fair | |
| 1803 | RC | 8 | Red Cedar | Juniperus virginiana | Fair | |
| 1804 | CT | 22 | Cottonwood | Populus deltoides | Good | |
| 1805 | CA | 15 | Crab Apple | Malus caronana | Good | |
| 1806 | CT | 14 | Cottonwood | Populus deltoides | Good | |
| 1807 | CT | 13 | Cottonwood | Populus deltoides | Fair | |
| 1808 | CT | 11 | Cottonwood | Populus deltoides | Good | |
| 1809 | RC | 12 | Red Cedar | Juniperus virginiana | Poor | |
| 1810 | SWO | 7 | Swamp White Oak | Quercus bicolor | Good | |
| 1811 | BG | 13 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1812 | BG | 11 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1813 | BG | 8 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1814 | BG | 8 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1815 | CT | 8 | Cottonwood | Populus deltoides | Fair | |
| 1816 | BG | 7 | Bigtooth Aspen | Populus grandidentata | Fair | |
| 1817 | BG | 8 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1818 | BG | 7 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1819 | BG | 11 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1820 | RC | 7 | Red Cedar | Juniperus virginiana | Fair | |
| 1821 | BG | 9 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1822 | BG | 12 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1823 | BG | 13 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1824 | BG | 12 | Bigtooth Aspen | Populus grandidentata | Fair | |
| 1825 | BG | 12 | Bigtooth Aspen | Populus grandidentata | Fair | |
| 1826 | BG | 7 | Bigtooth Aspen | Populus grandidentata | Fair | |
| 1827 | CT | 7 | Cottonwood | Populus deltoides | Good | |
| 1828 | BG | 13 | Bigtooth Aspen | Populus grandidentata | Fair | |
| 1829 | CT | 12 | Cottonwood | Populus deltoides | Good | |
| 1830 | CT | 18 | Cottonwood | Populus deltoides | Fair | |
| 1831 | BG | 7 | Bigtooth Aspen | Populus grandidentata | Fair | |
| 1832 | BG | 12 | Bigtooth Aspen | Populus grandidentata | Fair | |
| 1833 | BG | 10 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1834 | BG | 7 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1835 | BG | 6 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1836 | BG | 11 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1837 | BG | 9 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1838 | BX | 12 | Box elder | Acer negundo | Fair | x1 |
| 1839 | BX | 20 | Box elder | Acer negundo | Fair | |
| 1840 | BX | 21 | Box elder | Acer negundo | Good | x1 |
| 1841 | BO | 6 | Black Oak | Quercus velutina | Good | |
| 1842 | BX | 8 | Box elder | Acer negundo | Poor | |
| 1843 | BC | 6 | Wild Black Cherry | Prunus serotina | Good | |
| 1844 | RC | 11 | Red Cedar | Juniperus virginiana | Poor | |
| 1845 | BC | 7 | Wild Black Cherry | Prunus serotina | Fair | |
| 1846 | BC | 16 | Wild Black Cherry | Prunus serotina | Fair | x3 |
| 1847 | BG | 7 | Bigtooth Aspen | Populus grandidentata | Fair | |
| 1848 | BG | 15 | Bigtooth Aspen | Populus grandidentata | Fair | |
| 1849 | BG | 10 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1850 | BG | 10 | Bigtooth Aspen | Populus grandidentata | Fair | |
| 1851 | BG | 15 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1852 | BG | 9 | Bigtooth Aspen | Populus grandidentata | Fair | |
| 1853 | BG | 6 | Bigtooth Aspen | Populus grandidentata | Poor | |
| 1854 | BC | 13 | Wild Black Cherry | Prunus serotina | Fair | |
| 1855 | CT | 16 | Cottonwood | Populus deltoides | Fair | |
| 1856 | CT | 17 | Cottonwood | Populus deltoides | Fair | |
| 1857 | BG | 9 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1858 | BG | 6 | Bigtooth Aspen | Populus grandidentata | Fair | |
| 1859 | BG | 9 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1860 | BG | 7 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1861 | BG | 10 | Bigtooth Aspen | Populus grandidentata | Poor | |
| 1862 | BG | 6 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1863 | BG | 7 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1864 | BG | 9 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1865 | CT | 8 | Cottonwood | Populus deltoides | Good | |
| 1866 | BG | 11 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1867 | BG | 7 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1868 | BG | 12 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1869 | BG | 12 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1870 | BG | 14 | Bigtooth Aspen | Populus grandidentata | Fair | |
| 1871 | BG | 13 | Bigtooth Aspen | Populus grandidentata | Fair | |
| 1872 | BG | 6 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1873 | BG | 12 | Bigtooth Aspen | Populus grandidentata | Fair | |
| 1874 | BG | 6 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1875 | BG | 8 | Bigtooth Aspen | Populus grandidentata | Fair | |
| 1876 | BG | 6 | Bigtooth Aspen | Populus grandidentata | Fair | |
| 1877 | BG | 6 | Bigtooth Aspen | Populus grandidentata | Fair | |
| 1878 | BG | 6 | Bigtooth Aspen | Populus grandidentata | Fair | |
| 1879 | BG | 6 | Bigtooth Aspen | Populus grandidentata | Good | |
| 1880 | CT | 7 | Cottonwood | Populus deltoides | Fair | |
| 1881 | RC | 8 | Red Cedar | Juniperus virginiana | Fair | |
| 1882 | RC | 7 | Red Cedar | Juniperus virginiana | Fair | |
| 1883 | CT | 11 | Cottonwood | Populus deltoides | Fair | |
| 1884 | CA | 11 | Crab Apple | Malus caronana | Very Poor | |
| 1885 | BX | 6 | Box elder | Acer negundo | Very Poor | |
| 1886 | CT | 15 | Cottonwood | Populus deltoides | Fair | |
| 1887 | CT | 9 | Cottonwood | Populus deltoides | Fair | |
| 1888 | CT | 6 | Cottonwood | Populus deltoides | Fair | |
| 1889 | CT | 11 | Cottonwood | Populus deltoides | Poor | |
| 1890 | CT | 9 | Cottonwood | Populus deltoides | Good | |
| 1891 | CT | 10 | Cottonwood | Populus deltoides | Fair | x1 |
| 1892 | CT | 6 | Cottonwood | Populus deltoides | Poor | |
| 1893 | RC | 11 | Red Cedar | Juniperus virginiana | Fair | |

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TREE PROTECTION DETAIL
NOT TO SCALE

GENERAL DEMOLITION NOTES:

- THESE NOTES APPLY TO ALL CONSTRUCTION ACTIVITIES ON THIS PROJECT:
- ALL MATERIAL TO BE REMOVED, WHETHER SPECIFICALLY NOTED IN THE PLANS OR NOT, SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR AND DISPOSED OF OFF-SITE IN A LEGAL MANNER. NO ON-SITE BURY OR BURN PITS SHALL BE ALLOWED.
 - ALL DEMOLITION WORK SHALL CONFORM TO ALL LOCAL CODES AND ORDINANCES.
 - STAGING/PHASING OF DEMOLITION AND CONSTRUCTION IS TO BE COORDINATED WITH THE OWNER AND THE CONTRACTOR PRIOR TO CONSTRUCTION.
 - SPECIFIC DEMOLITION ITEMS HAVE BEEN INDICATED ON THE PLANS AS A GUIDE TO THE GENERAL SCOPE OF THE WORK. IT IS THE INTENT THAT THESE ITEMS SHALL BE COMPLETELY REMOVED BY THE CONTRACTOR ABOVE AND BELOW GROUND, UNLESS SPECIFICALLY NOTED OTHERWISE, AND THAT DEMOLITION WILL INCLUDE BUT WILL NOT NECESSARILY BE LIMITED TO THESE ITEMS. CONTRACTOR SHALL VISIT SITE TO VERIFY EXISTING CONDITIONS AND EXTENTS OF THE DEMOLITION THAT WILL BE REQUIRED PRIOR TO SUBMITTING A BID.
 - REMOVE ALL STRUCTURES DESIGNATED FOR REMOVAL ACCORDING TO THE DEMOLITION PLAN. THIS INCLUDES FOUNDATIONS, FOOTINGS, FOUNDATION WALLS, FLOOR SLABS, UNDERGROUND UTILITIES, CONCRETE, ASPHALT, TREES, ETC.
 - REFER TO THIS SHEET FOR TREE PROTECTION DETAILS.
 - THE CONTRACTOR SHALL, AS A MINIMUM, PROVIDE TREE PROTECTION FENCING AROUND EXISTING TREES TO BE SAVED THAT ARE WITHIN 15 FEET OF CONSTRUCTION ACTIVITIES AND AS INDICATED IN THE PLANS OR PER LOCAL AGENCY REQUIREMENTS.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEAN UP, NOISE, DUST CONTROL, STREET SWEEPING AND HOURS OF OPERATION IN ACCORDANCE WITH THE LOCAL CODES.
 - THE CONTRACTOR SHALL PROVIDE ALL NECESSARY BARRICADES, SIGNAGE, MARKINGS, LIGHTS AND OTHER TRAFFIC CONTROL DEVICES TO PROTECT THE WORK ZONE AND SAFELY MAINTAIN TRAFFIC PER AGENCY REQUIREMENTS AND IN ACCORDANCE WITH THE LATEST EDITION OF THE STATE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
 - THE CONTRACTOR SHALL CONTACT THE APPROPRIATE UTILITY COMPANIES TO CONFIRM THAT UTILITY LEADS HAVE BEEN TAKEN OUT OF SERVICE PRIOR TO DEMOLITION.
 - ALL BUILDING GAS LEADS, METERS AND ASSOCIATED EQUIPMENT SHALL BE SHOWN ON THE PLANS. COORDINATE ALL ASSOCIATED WORK WITH THE APPROPRIATE UTILITY COMPANY.
 - REMOVE ALL OVERHEAD AND UNDERGROUND ELECTRICAL LINES WITHIN THE AREA OF CONSTRUCTION AS SHOWN ON THE PLANS. COORDINATE SHUTDOWNS AND REMOVALS WITH ELECTRICAL SERVICE PROVIDER OR THE APPROPRIATE UTILITY COMPANY. (NOTE: PHONE AND CABLE T.V. SERVICES MAY ALSO BE LOCATED ON OVERHEAD LINES.)
 - THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND REPLACEMENT OF SIGNS AND SUPPORTS WITHIN THE WORK AREA, AS NECESSARY TO FACILITATE CONSTRUCTION. SIGNS SHALL BE PROTECTED OR STOCKPILED FOR REUSE AS SPECIFIED IN THE PLANS OR AS REQUIRED BY THE AGENCY OF JURISDICTION. THE CONTRACTOR SHALL REPLACE ANY DAMAGED SIGNS AND SUPPORTS AT NO ADDITIONAL COST TO THE OWNER.
 - THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE 811/ONE CALL UTILITY LOCATING CENTER, THE CITY ENGINEER AND/OR THE AUTHORITY HAVING JURISDICTION 3 BUSINESS DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.

DEMOLITION LEGEND:

| | |
|--|--|
| ITEM TO BE PROTECTED | |
| ITEM TO BE REMOVED | |
| CURB/FENCE REMOVAL | |
| CONCRETE PAVEMENT AND SIDEWALK REMOVAL | |
| AREA OR ITEMS TO BE REMOVED | |
| UTILITY REMOVAL | |
| ABANDON UTILITY | |
| TREE AND BRUSH REMOVAL | |
| TREE REMOVAL | |
| SAWCUT LINE | |
| TREE PROTECTION AREA | |

PEA GROUP
t: 844.813.2949
www.peagroup.com



0 25 50 100
SCALE: 1" = 50'



CAUTION!!
THE LOCATIONS AND ELEVATIONS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS DRAWING ARE ONLY APPROXIMATE. NO GUARANTEE OF EITHER EXPRESSED OR IMPLIED AS TO THE COMPLETENESS OR ACCURACY THEREOF. THE CONTRACTOR SHALL BE EXCLUSIVELY RESPONSIBLE FOR DETERMINING THE EXACT UTILITY LOCATIONS AND ELEVATIONS PRIOR TO THE START OF CONSTRUCTION.



CLIENT
GESTAMP
5800 SIBLEY ROAD
CHELSEA, MICHIGAN 48118

PROJECT TITLE
GESTAMP
5800 SIBLEY ROAD
CHELSEA, MICHIGAN 48118

REVISIONS
SITE PLAN 1/20/23

ORIGINAL ISSUE DATE:
JANUARY 20, 2023

DRAWING TITLE
DEMOLITION PLAN

PEA JOB NO. 2022-0484
P.M. EAI
DN. SEP
DES. EAI
DRAWING NUMBER:

NOT FOR CONSTRUCTION
C-2.0

\\pea\h\proj\2022\2022-0484\GESTAMP_ADDITION_CHELSEA\WMO.CONSTRUCTION\C-2.1\TREEREP--22-0484.dwg PLOT DATE: 1/20/2023 7:58 AM B:\Sharon Pugh

| Building | | | | | | |
|---------------------------------|-----|-------------------|-------------------|-------------------------|---------------|------------|
| Tree Number | DBH | Common Name | Conditon | 6-8" Trees | 8.1-16" Trees | >16" Trees |
| 1159 | 6 | Wild Black Cherry | Prunus serotina | 1 | | 1 |
| 1160 | 13 | Black Oak | Quercus velutina | | 1 | 1.5 |
| 1162 | 13 | Black Oak | Quercus velutina | | 1 | 1.5 |
| 1164 | 8 | Wild Black Cherry | Prunus serotina | 1 | | 1 |
| 1166 | 6 | Black Oak | Quercus velutina | 1 | | 1 |
| 1181 | 15 | Box elder | Acer negundo | | 1 | 1.5 |
| 1182 | 16 | Box elder | Acer negundo | | 1 | 1.5 |
| 1183 | 7 | White Mulberry | Morus alba | 1 | | 1 |
| 1184 | 14 | Box elder | Acer negundo | | 1 | 1.5 |
| 1185 | 8 | Box elder | Acer negundo | 1 | | 1 |
| 1186 | 15 | Box elder | Acer negundo | | 1 | 1.5 |
| 1208 | 6 | Box elder | Acer negundo | 1 | | 1 |
| 1209 | 13 | Box elder | Acer negundo | | 1 | 1.5 |
| 1210 | 14 | Box elder | Acer negundo | | 1 | 1.5 |
| 1211 | 7 | Box elder | Acer negundo | 1 | | 1 |
| 1212 | 8 | Box elder | Acer negundo | 1 | | 1 |
| 1213 | 7 | Box elder | Acer negundo | 1 | | 1 |
| 1214 | 12 | Box elder | Acer negundo | | 1 | 1.5 |
| 1215 | 9 | Box elder | Acer negundo | | 1 | 1.5 |
| 1222 | 15 | Cottonwood | Populus deltoides | | 1 | 1.5 |
| 1223 | 19 | Cottonwood | Populus deltoides | | | 2 |
| 1224 | 14 | Cottonwood | Populus deltoides | | 1 | 1.5 |
| Subtotal of the Number of Trees | | | | 9 | 12 | 1 |
| Combinded Number of Trees | | | | 22 | | |
| | | | | Subtotal of Replacement | | |
| | | | | 29 | | |

| Outside of Building | | | | | | |
|---------------------------------|-----|-------------------|----------------------|-------------------------|---------------|------------|
| Tree Number | DBH | Common Name | Condition | 6-8" Trees | 8.1-16" Trees | >16" Trees |
| 1125 | 10 | Wild Black Cherry | Poor | | 1 | 1.5 |
| 1126 | 9 | Black Oak | Fair | | 1 | 1.5 |
| 1127 | 7 | Black Oak | Quercus velutina | 1 | | 1 |
| 1128 | 11 | Black Oak | Quercus velutina | | 1 | 1.5 |
| 1129 | 13 | Black Oak | Quercus velutina | | 1 | 1.5 |
| 1136 | 7 | Black Oak | Quercus velutina | 1 | | 1 |
| 1143 | 11 | Red Cedar | Juniperus virginiana | | 1 | 1.5 |
| 1145 | 16 | Wild Black Cherry | Prunus serotina | | 1 | 1.5 |
| 1146 | 12 | Red Cedar | Juniperus virginiana | | 1 | 1.5 |
| 1147 | 22 | Black Oak | Quercus velutina | | | 1 |
| 1148 | 9 | Red Cedar | Juniperus virginiana | | 1 | 1.5 |
| 1149 | 9 | Black Oak | Quercus velutina | | 1 | 1.5 |
| 1150 | 7 | Black Oak | Quercus velutina | 1 | | 1 |
| 1151 | 11 | Wild Black Cherry | Prunus serotina | | 1 | 1.5 |
| 1152 | 11 | Black Oak | Fair | | 1 | 1.5 |
| 1153 | 15 | Black Oak | Quercus velutina | | 1 | 1.5 |
| 1154 | 11 | Black Oak | Quercus velutina | | 1 | 1.5 |
| 1155 | 8 | Black Oak | Quercus velutina | 1 | | 1 |
| 1156 | 19 | Black Oak | Quercus velutina | | 1 | 1.5 |
| 1157 | 10 | Black Oak | Quercus velutina | | 1 | 1.5 |
| 1158 | 19 | Black Oak | Quercus velutina | | 1 | 2 |
| 1161 | 13 | Wild Black Cherry | Prunus serotina | | 1 | 1.5 |
| 1163 | 11 | Black Oak | Good | | 1 | 1.5 |
| 1165 | 17 | Black Oak | Good | | 1 | 2 |
| 1167 | 7 | Black Oak | Fair | 1 | | 1 |
| 1168 | 21 | Black Oak | Quercus velutina | | 1 | 2 |
| 1169 | 14 | Box elder | Fair | | 1 | 1.5 |
| 1170 | 7 | Swamp White Oak | Quercus bicolor | 1 | | 1 |
| 1171 | 6 | American Elm | Ulmus americana | 1 | | 1 |
| 1172 | 6 | Swamp White Oak | Quercus bicolor | 1 | | 1 |
| 1179 | 11 | Box elder | Acer negundo | | 1 | 1.5 |
| 1180 | 20 | Swamp White Oak | Quercus bicolor | | | 1 |
| 1187 | 6 | Swamp White Oak | Quercus bicolor | 1 | | 1 |
| 1207 | 9 | Box elder | Acer negundo | | 1 | 1.5 |
| 1216 | 8 | Box elder | Acer negundo | 1 | | 1 |
| 1217 | 11 | Box elder | Acer negundo | | 1 | 1.5 |
| 1218 | 6 | Box elder | Acer negundo | 1 | | 1 |
| 1219 | 8 | Box elder | Acer negundo | 1 | | 1 |
| 1220 | 8 | Box elder | Acer negundo | 1 | | 2 |
| 1221 | 28 | Cottonwood | Populus deltoides | | 1 | 2 |
| 1225 | 16 | Cottonwood | Populus deltoides | | 1 | 1.5 |
| 1226 | 16 | Cottonwood | Populus deltoides | | 1 | 1.5 |
| 1227 | 9 | Cottonwood | Populus deltoides | | 1 | 1.5 |
| 1228 | 19 | Cottonwood | Populus deltoides | | 1 | 2 |
| 1229 | 10 | Cottonwood | Populus deltoides | | 1 | 1.5 |
| 1230 | 19 | Cottonwood | Populus deltoides | | 1 | 2 |
| 1231 | 17 | Cottonwood | Populus deltoides | | 1 | 2 |
| 1232 | 12 | Box elder | Acer negundo | | 1 | 1.5 |
| 1233 | 6 | Swamp White Oak | Quercus bicolor | 1 | | 1 |
| 1234 | 7 | Swamp White Oak | Quercus bicolor | 1 | | 33 |
| 1235 | 8 | Box elder | Acer negundo | 1 | | 1 |
| 1236 | 14 | Wild Black Cherry | Prunus serotina | | 1 | 1.5 |
| 1268 | 18 | Cottonwood | Populus deltoides | | 1 | 6 |
| 1270 | 8 | Swamp White Oak | Quercus bicolor | 1 | | 1 |
| 1271 | 8 | Red Cedar | Juniperus virginiana | 1 | | 1 |
| 1272 | 7 | Box elder | Acer negundo | 1 | | 2 |
| 1273 | 8 | Box elder | Acer negundo | 1 | | 1 |
| 1274 | 11 | Box elder | Acer negundo | | 1 | 1.5 |
| 1275 | 18 | Cottonwood | Populus deltoides | | 1 | 6 |
| 1276 | 13 | Cottonwood | Populus deltoides | | 1 | 3 |
| 1277 | 11 | Cottonwood | Populus deltoides | | 1 | 3 |
| 1278 | 7 | Swamp White Oak | Quercus bicolor | 1 | | 2 |
| 1279 | 7 | Swamp White Oak | Quercus bicolor | 1 | | 2 |
| 1280 | 16 | Box elder | Acer negundo | | 1 | 3 |
| 1281 | 10 | American Elm | Ulmus americana | | 1 | 3 |
| 1282 | 6 | American Elm | Ulmus americana | 1 | | 2 |
| 1283 | 24 | Cottonwood | Populus deltoides | | | 1 |
| 1307 | 15 | American Elm | Good | | 1 | 2 |
| 1308 | 10 | American Elm | Good | | 1 | 2 |
| Subtotal of the Number of Trees | | | | 23 | 33 | 13 |
| Combinded Number of Trees | | | | 69 | | |
| | | | | Subtotal of Replacement | | |
| | | | | 122 | | |

TOTAL REPLACEMENT (WITHOUT PRESERVATION CREDITS) [29+122] = 151

SEE SHEET C-2.3 FOR REQUIRED TREE REPLACEMENT WITH PRESERVATION CREDITS

| sub | | | | | | |
|-------------|-----|-------------------|-----------|------------|---------------|------------|
| Tree Number | DBH | Common Name | Condition | 6-8" Trees | 8.1-16" Trees | >16" Trees |
| 1001 | 9 | Cottonwood | Fair | | 1 | |
| 1002 | 8 | Black Willow | Fair | 1 | | |
| 1003 | 8 | Black Willow | Fair | 1 | | |
| 1004 | 6 | Red Cedar | Poor | 1 | | |
| 1005 | | Cottonwood | Fair | 1 | | |
| 1006 | 10 | Cottonwood | Good | | 1 | |
| 1007 | 10 | Cottonwood | Good | | 1 | |
| 1008 | 12 | Cottonwood | Good | | 1 | |
| 1009 | 12 | Cottonwood | Good | | 1 | |
| 1010 | 13 | Cottonwood | Good | | 1 | |
| 1011 | 8 | Norway Spruce | Good | 1 | | |
| 1012 | 14 | Cottonwood | Good | | 1 | |
| 1013 | 6 | Bigtooth Aspen | Fair | 1 | | |
| 1014 | 10 | Bigtooth Aspen | Fair | | 1 | |
| 1015 | 6 | Cottonwood | Fair | 1 | | |
| 1016 | 12 | Black Willow | Fair | | 1 | |
| 1017 | 18 | Box elder | Fair | | | 1 |
| 1018 | 8 | Box elder | Fair | 1 | | |
| 1019 | 14 | Box elder | Poor | | 1 | |
| 1020 | 29 | Cottonwood | Good | | | 1 |
| 1021 | 10 | Cottonwood | Poor | | 1 | |
| 1022 | 9 | Wild Black Cherry | Good | | 1 | |
| 1023 | 6 | American Elm | Good | 1 | | |
| 1024 | 10 | White Mulberry | Good | | 1 | |
| 1025 | 8 | Red Cedar | Poor | 1 | | |
| 1026 | 8 | Bigtooth Aspen | Good | 1 | | |
| 1027 | 7 | Bigtooth Aspen | Good | 1 | | |
| 1028 | 6 | Bigtooth Aspen | Good | 1 | | |
| 1029 | 6 | Bigtooth Aspen | Good | 1 | | |
| 1030 | 8 | Bigtooth Aspen | Good | | | 1 |
| 1031 | 8 | Bigtooth Aspen | Good | 1 | | |
| 1032 | 23 | Cottonwood | Good | | | 1 |
| 1033 | 9 | Black Oak | Good | | 1 | |
| 1034 | 6 | Bigtooth Aspen | Good | 1 | | |
| 1035 | 6 | Bigtooth Aspen | Good | 1 | | |
| 1036 | 9 | Cottonwood | Fair | | 1 | |
| 1037 | 7 | Cottonwood | Good | 1 | | |
| 1038 | 9 | Cottonwood | Good | | 1 | |
| 1039 | 6 | Bigtooth Aspen | Fair | 1 | | |
| 1040 | 8 | Bigtooth Aspen | Good | | | 1 |
| 1041 | 6 | Bigtooth Aspen | Very Poor | | | 0 |
| 1042 | 6 | Bigtooth Aspen | Fair | 1 | | |
| 1043 | 11 | Cottonwood | Good | | 1 | |
| 1044 | 6 | Bigtooth Aspen | Fair | 1 | | |
| 1045 | 6 | Bigtooth Aspen | Good | 1 | | |
| 1046 | 8 | Bigtooth Aspen | Good | 1 | | |
| 1047 | 6 | Cottonwood | Fair | 1 | | |
| 1048 | 6 | Cottonwood | Fair | 1 | | |
| 1049 | 6 | Cottonwood | Fair | 1 | | |
| 1050 | 6 | Cottonwood | Fair | 1 | | |
| 1051 | 6 | Cottonwood | Fair | | | 0 |
| 1052 | 9 | Cottonwood | Fair | | 1 | |
| 1053 | 6 | Cottonwood | Fair | 1 | | |
| 1054 | 11 | Cottonwood | Good | | 1 | |
| 1055 | 15 | Bigtooth Aspen | Good | | 1 | |
| 1056 | 11 | Bigtooth Aspen | Good | | 1 | |
| 1057 | 7 | Bigtooth Aspen | Good | 1 | | |
| 1058 | 6 | Bigtooth Aspen | Good | 1 | | |
| 1059 | 9 | Cottonwood | Fair | 1 | | |
| 1060 | 18 | Cottonwood | Good | | | 1 |
| 1061 | 6 | Bigtooth Aspen | Fair | 1 | | |
| 1062 | 12 | Cottonwood | Good | | 1 | |
| 1063 | 6 | Bigtooth Aspen | Good | 1 | | |
| 1064 | 6 | Bigtooth Aspen | Good | 1 | | |
| 1065 | 8 | Bigtooth Aspen | Fair | 1 | | |
| 1066 | 9 | Bigtooth Aspen | Good | | 1 | |
| 1067 | 9 | Bigtooth Aspen | Good | | 1 | |
| 1068 | 9 | Bigtooth Aspen | Good | | 1 | |
| 1069 | 8 | Bigtooth Aspen | Good | 1 | | |
| 1070 | 9 | Bigtooth Aspen | Good | | 1 | |
| 1071 | 9 | Bigtooth Aspen | Good | | 1 | |
| 1072 | 10 | Balsam Fir | Good | | 1 | |
| 1073 | 7 | Bigtooth Aspen | Good | 1 | | |
| 1074 | 7 | Bigtooth Aspen | Good | 1 | | |
| 1075 | 9 | Bigtooth Aspen | Poor | | 1 | |
| 1076 | 7 | Bigtooth Aspen | Poor | 1 | | |
| 1077 | 6 | Bigtooth Aspen | Very Poor | 1 | | |
| 1078 | 6 | Bigtooth Aspen | Good | 1 | | |
| 1079 | 10 | Bigtooth Aspen | Good | | 1 | |
| 1080 | 10 | Bigtooth Aspen | Good | | 1 | |
| 1081 | 9 | Bigtooth Aspen | Poor | | 1 | |
| 1082 | 13 | Bigtooth Aspen | Poor | | 1 | |
| 1083 | 6 | Bigtooth Aspen | Fair | 1 | | |
| 1084 | 11 | Cottonwood | Good | | 1 | |
| 1085 | 15 | Cottonwood | Good | | 1 | |
| 1086 | 7 | Red Cedar | Poor | 1 | | |
| 1087 | 21 | Cottonwood | Good | | 1 | |
| 1088 | 20 | Cottonwood | Good | | 1 | |
| 1089 | 20 | Cottonwood | Good | | 1 | |
| 1090 | 11 | Cottonwood | Fair | | 1 | |
| 1091 | 11 | Cottonwood | Fair | | 1 | |
| 1092 | 6 | Bigtooth Aspen | Good | 1 | | |
| 1093 | 12 | Cottonwood | Good | | 1 | |
| 1094 | 17 | Cottonwood | Fair | | | 1 |
| 1095 | 13 | Cottonwood | Fair | | 1 | |
| 1096 | 11 | Cottonwood | Good | | 1 | |
| 1097 | 7 | Bigtooth Aspen | Good | 1 | | |
| 1098 | 12 | Cottonwood | Fair | | 1 | |
| 1099 | 6 | Bigtooth Aspen | Good | 1 | | |
| 1100 | 13 | Cottonwood | Good | | 1 | |
| 1101 | 18 | Cottonwood | Good | | | 1 |
| 1102 | 13 | Cottonwood | Fair | | 1 | |
| 1103 | 7 | Wild Black Cherry | Fair | 1 | | |
| 1104 | 6 | Bigtooth Aspen | Fair | 1 | | |
| 1105 | 16 | Cottonwood | Good | | 1 | |
| 1106 | 6 | Cottonwood | Fair | 1 | | |
| 1107 | 9 | Wild Black Cherry | Fair | | 1 | |
| 1108 | 9 | Black Oak | Good | | 1 | |
| 1109 | 15 | Wild Black Cherry | Good | | 1 | |
| 1110 | 13 | Box elder | Good | | 1 | |
| 1111 | 13 | Black Oak | Good | | 1 | |
| 1112 | 10 | Crab Apple | Very Poor | | 1 | |
| 1113 | 12 | Black Oak | Fair | | 1 | |
| 1114 | 12 | Black Oak | Fair | | 1 | |
| 1115 | 6 | Black Oak | Fair | 1 | | |
| 1116 | 13 | Black Oak | Fair | | 1 | |
| 1117 | 8 | Black Oak | Good | 1 | | |
| 1118 | 7 | Box elder | Fair | 1 | | |
| 1119 | 16 | Black Oak | Fair | | 1 | |
| 1120 | 14 | Black Oak | Fair | | 1 | |
| 1121 | 10 | Black Oak | Good | | 1 | |
| 1122 | 15 | Black Oak | Good | | 1 | |
| 1123 | 14 | Black Oak | Fair | | 1 | |
| 1124 | 9 | Black Oak | Fair | | 1 | |
| 1130 | 7 | Black Oak | Fair | 1 | | |
| 1131 | 16 | Black Oak | Fair | | 1 | |
| 1132 | 12 | Black Oak | Fair | | 1 | |
| 1133 | 20 | Black Oak | Good | | | 1 |
| 1134 | 10 | Black Oak | Fair | | 1 | |
| SUBTOTAL(A) | | | | 104 | | |

| sub | | | |
|-----|--|--|--|
|-----|--|--|--|

\\pea\info\PROJECTS\2022\2022-0484-GESTAMP-ADDITION_CHESEA\INFO\CONSTRUCTION_C-2\27TREEIMP-22-0484.dwg PLOT DATE: 1/20/2023 7:58 AM B1:Sharon Pugh

| sub | | | | | Number of Tree Preservation | | | | |
|-------------|-----|-------------------|-----------|------------|-----------------------------|------------|---------|--|--|
| Tree Number | DBH | Common Name | Condition | 6-8" Trees | 8.1-16" Trees | >16" Trees | Credits | | |
| 1350 | 11 | Black Willow | Fair | | 1 | | 2 | | |
| 1351 | 7 | Red Cedar | Fair | 1 | | | | | |
| 1352 | 16 | Black Oak | Good | | 1 | | 2 | | |
| 1353 | 8 | Red Cedar | Fair | 1 | | | 1 | | |
| 1354 | 13 | Black Oak | Good | | 1 | | 2 | | |
| 1355 | 21 | Black Oak | Fair | | | 1 | 3 | | |
| 1356 | 7 | Black Oak | Fair | 1 | | | 1 | | |
| 1357 | 6 | Box elder | Fair | 1 | | | 0 | | |
| 1358 | 25 | Cottonwood | Good | | | 1 | 0 | | |
| 1359 | 10 | Box elder | Good | | 1 | | 0 | | |
| 1360 | 9 | Box elder | Good | | | | 0 | | |
| 1361 | 10 | Box elder | Fair | | | | 0 | | |
| 1362 | 10 | Box elder | Fair | | 1 | | 0 | | |
| 1363 | 23 | Cottonwood | Fair | | | 1 | 0 | | |
| 1364 | 6 | Box elder | Good | 1 | | | 0 | | |
| 1365 | 11 | Swamp White Oak | Good | | 1 | | 2 | | |
| 1366 | 18 | Cottonwood | Good | | | 1 | 0 | | |
| 1367 | 16 | Cottonwood | Good | | 1 | | 0 | | |
| 1368 | 12 | Cottonwood | Good | | 1 | | 0 | | |
| 1369 | 9 | Cottonwood | Good | | | | 0 | | |
| 1370 | 9 | Cottonwood | Good | | 1 | | 0 | | |
| 1371 | 6 | American Elm | Good | 1 | | | 1 | | |
| 1372 | 7 | American Elm | Good | 1 | | | 1 | | |
| 1373 | 17 | Cottonwood | Good | | | 1 | 0 | | |
| 1374 | 16 | Cottonwood | Good | | 1 | | 0 | | |
| 1375 | 14 | Cottonwood | Good | | | | 0 | | |
| 1376 | 9 | American Elm | Good | | | | 2 | | |
| 1377 | 12 | Cottonwood | Good | | 1 | | 0 | | |
| 1378 | 7 | Cottonwood | Good | 1 | | | 0 | | |
| 1379 | 10 | Cottonwood | Poor | | 1 | | 0 | | |
| 1380 | 18 | Cottonwood | Poor | | | 1 | 0 | | |
| 1381 | 7 | Swamp White Oak | Good | 1 | | | 1 | | |
| 1382 | 7 | American Elm | Good | 1 | | | 1 | | |
| 1383 | 14 | Cottonwood | Good | | 1 | | 0 | | |
| 1384 | 8 | American Elm | Good | 1 | | | 1 | | |
| 1385 | 12 | American Elm | Good | | 1 | | 2 | | |
| 1386 | 6 | Black Oak | Good | 1 | | | 1 | | |
| 1387 | 6 | Swamp White Oak | Good | | 1 | | 1 | | |
| 1388 | 6 | American Elm | Good | 1 | | | 1 | | |
| 1389 | 15 | American Elm | Good | | | 1 | 3 | | |
| 1390 | 9 | Swamp White Oak | Good | | 1 | | 2 | | |
| 1391 | 8 | Swamp White Oak | Good | 1 | | | 1 | | |
| 1392 | 6 | Swamp White Oak | Fair | 1 | | | 1 | | |
| 1393 | 10 | Box elder | Poor | | 1 | | 0 | | |
| 1394 | 13 | American Elm | Fair | | | | 2 | | |
| 1395 | 9 | Wild Black Cherry | Good | | 1 | | 0 | | |
| 1396 | 10 | Crab Apple | Very Poor | | 1 | | 0 | | |
| 1397 | 13 | Crab Apple | Very Poor | | | | 0 | | |
| 1398 | 9 | Silver Maple | Fair | | 1 | | 0 | | |
| 1399 | 7 | American Elm | Fair | 1 | | | 1 | | |
| 1400 | 8 | American Elm | Fair | 1 | | | 1 | | |
| 1401 | 7 | Crab Apple | Very Poor | 1 | | | 0 | | |
| 1402 | 11 | Wild Black Cherry | Fair | | 1 | | 2 | | |
| 1403 | 24 | Wild Black Cherry | Fair | | | 1 | 3 | | |
| 1404 | 11 | Wild Black Cherry | Fair | | 1 | | 2 | | |
| 1405 | 16 | Black Oak | Fair | | 1 | | 2 | | |
| 1406 | 6 | Wild Black Cherry | Fair | 1 | | | 1 | | |
| 1407 | 9 | Wild Black Cherry | Fair | | | | 2 | | |
| 1408 | 11 | Wild Black Cherry | Fair | | 1 | | 2 | | |
| 1409 | 16 | Wild Black Cherry | Fair | | | | 2 | | |
| 1410 | 9 | Red Cedar | Fair | | 1 | | 2 | | |
| 1411 | 10 | Red Cedar | Fair | | | | 1 | | |
| 1412 | 11 | Red Cedar | Fair | | 1 | | 2 | | |
| 1413 | 13 | Black Locust | Good | | | | 0 | | |
| 1414 | 12 | Wild Black Cherry | Fair | | 2 | | 2 | | |
| 1415 | 9 | Wild Black Cherry | Good | | 1 | | 2 | | |
| 1416 | 11 | Red Cedar | Fair | | | | 2 | | |
| 1417 | 10 | Red Cedar | Fair | | 1 | | 1 | | |
| 1418 | 7 | Tree-of-Heaven | Good | 1 | | | 0 | | |
| 1419 | 11 | Box elder | Good | | 1 | | 0 | | |
| 1420 | 10 | Box elder | Good | | | | 0 | | |
| 1421 | 9 | Box elder | Good | | 1 | | 0 | | |
| 1422 | 12 | Box elder | Good | | | | 0 | | |
| 1423 | 6 | Box elder | Poor | 1 | | | 0 | | |
| 1424 | 11 | Swamp White Oak | Good | | 1 | | 2 | | |
| 1425 | 14 | Crab Apple | Poor | | 1 | | 0 | | |
| 1426 | 8 | Box elder | Fair | 1 | | | 0 | | |
| 1427 | 14 | Box elder | Good | | 1 | | 0 | | |
| 1428 | 8 | Red Cedar | Fair | 1 | | | 1 | | |
| 1429 | 8 | Red Cedar | Fair | | | | 1 | | |
| 1430 | 15 | Swamp White Oak | Good | | 1 | | 2 | | |
| 1431 | 6 | Red Cedar | Fair | 1 | | | 0 | | |
| 1432 | 26 | Cottonwood | Good | | | 1 | 0 | | |
| 1433 | 9 | Red Cedar | Fair | | 1 | | 2 | | |
| 1434 | 8 | Red Cedar | Fair | 1 | | | 1 | | |
| 1435 | 12 | Quaking Aspen | Fair | | 1 | | 2 | | |
| 1436 | 8 | Quaking Aspen | Good | 1 | | | 0 | | |
| 1437 | 16 | Black Oak | Good | | 1 | | 2 | | |
| 1438 | 6 | Quaking Aspen | Good | 1 | | | 1 | | |
| 1439 | 10 | Black Oak | Good | | 1 | | 2 | | |
| 1440 | 13 | Black Oak | Good | | | | 2 | | |
| 1441 | 9 | White Oak | Good | | 1 | | 2 | | |
| 1442 | 8 | White Oak | Good | 1 | | | 1 | | |
| 1443 | 19 | White Oak | Good | | | 1 | 3 | | |
| 1444 | 8 | Quaking Aspen | Good | 1 | | | 1 | | |
| 1445 | 9 | Quaking Aspen | Good | | 1 | | 2 | | |
| 1446 | 18 | Black Oak | Good | | | 1 | 3 | | |
| 1447 | 14 | Black Oak | Good | | 1 | | 2 | | |
| 1448 | 11 | Shagbark Hickory | Good | | | | 2 | | |
| 1449 | 11 | Red Cedar | Fair | | 1 | | 1 | | |
| 1450 | 6 | Box elder | Fair | 1 | | | 0 | | |
| 1451 | 8 | Red Cedar | Fair | 1 | | | 0 | | |
| 1452 | 6 | Quaking Aspen | Fair | 1 | | | 1 | | |
| 1453 | 7 | Bigtooth Aspen | Fair | 1 | | | 1 | | |
| 1454 | 8 | Bigtooth Aspen | Very Poor | 1 | | | 0 | | |
| 1455 | 19 | Cottonwood | Fair | | | 1 | 0 | | |
| 1456 | 10 | Cottonwood | Fair | | 1 | | 0 | | |
| 1457 | 11 | Cottonwood | Fair | | | | 0 | | |
| 1458 | 8 | Wild Black Cherry | Good | 1 | | | 1 | | |
| 1459 | 7 | White Oak | Good | | 1 | | 1 | | |
| 1460 | 9 | Red Cedar | Fair | | 1 | | 2 | | |
| 1461 | 11 | Red Cedar | Fair | | | | 2 | | |
| 1462 | 16 | Cottonwood | Good | | 1 | | 0 | | |
| 1463 | 9 | Cottonwood | Good | | 1 | | 0 | | |
| 1464 | 9 | Red Cedar | Fair | | | | 2 | | |
| 1465 | 6 | Cottonwood | Good | 1 | | | 0 | | |
| 1466 | 10 | Cottonwood | Good | | 1 | | 0 | | |
| 1467 | 8 | Cottonwood | Good | 1 | | | 0 | | |
| 1468 | 9 | Cottonwood | Good | | 1 | | 0 | | |
| 1469 | 14 | Cottonwood | Good | | | | 0 | | |
| 1470 | 12 | Red Cedar | Fair | | 1 | | 1 | | |
| 1471 | 23 | Cottonwood | Good | | | 1 | 0 | | |
| 1472 | 9 | Cottonwood | Poor | | 1 | | 0 | | |
| 1473 | 8 | Cottonwood | Poor | 1 | | | 0 | | |
| 1474 | 10 | Cottonwood | Fair | | 1 | | 0 | | |
| 1475 | 7 | Cottonwood | Fair | 1 | | | 0 | | |
| 1476 | 12 | Cottonwood | Fair | | | | 0 | | |
| 1477 | 14 | Cottonwood | Fair | | | | 0 | | |
| 1478 | 11 | Cottonwood | Good | | 1 | | 0 | | |
| SUBTOTAL(C) | | | | | | | 120 | | |

| | | | | sub | | | Number of Tree Preservation | |
|-------------|-----|-------------------|-----------|------------|---------------|------------|-----------------------------|--|
| Tree Number | DBH | Common Name | Condition | 6-8" Trees | 8.1-16" Trees | >16" Trees | Credits | |
| 1479 | 10 | Red Cedar | Fair | | 1 | | 2 | |
| 1480 | 14 | Wild Black Cherry | Fair | | | 1 | 2 | |
| 1481 | 16 | Wild Black Cherry | Fair | | | | 2 | |
| 1482 | 10 | Siberian Elm | Fair | | 1 | | 2 | |
| 1483 | 8 | Red Cedar | Fair | 1 | | | 1 | |
| 1484 | 14 | Cottonwood | Good | | 1 | | 0 | |
| 1485 | 25 | Cottonwood | Good | | | 1 | 0 | |
| 1486 | 13 | Cottonwood | Good | | 1 | | 0 | |
| 1487 | 6 | Cottonwood | Good | 1 | | | 0 | |
| 1488 | 7 | Cottonwood | Good | 1 | | | 0 | |
| 1489 | 12 | Cottonwood | Fair | | 1 | | 0 | |
| 1490 | 9 | Cottonwood | Poor | | | | 0 | |
| 1491 | 15 | Cottonwood | Fair | | 1 | | 0 | |
| 1492 | 9 | Cottonwood | Fair | | 1 | | 0 | |
| 1493 | 9 | Crab Apple | Poor | | 1 | | 0 | |
| 1494 | 6 | Bigtooth Aspen | Good | 1 | | | 1 | |
| 1495 | 15 | Black Oak | Good | | 1 | | 2 | |
| 1496 | 15 | Wild Black Cherry | Fair | | | | 2 | |
| 1497 | 15 | Wild Black Cherry | Fair | | 1 | | 2 | |
| 1498 | 6 | Crab Apple | Poor | 1 | | | 0 | |
| 1499 | 8 | Silver Maple | Good | 1 | | | 0 | |
| 1500 | 9 | Bigtooth Aspen | Very Poor | | 1 | | 0 | |
| 1501 | 8 | Bigtooth Aspen | Good | 1 | | | 1 | |
| 1502 | 11 | Cottonwood | Poor | | 1 | | 0 | |
| 1503 | 6 | Red Cedar | Fair | 1 | | | 1 | |
| 1504 | 16 | Cottonwood | Fair | | 1 | | 0 | |
| 1505 | 23 | Black Oak | Good | | | 1 | 3 | |
| 1506 | 15 | Black Oak | Good | | 1 | | 2 | |
| 1507 | 15 | Black Oak | Good | | | | 2 | |
| 1508 | 21 | Box elder | Good | | | 1 | 0 | |
| 1509 | 10 | Crab Apple | Very Poor | | 1 | | 0 | |
| 1510 | 12 | American Elm | Good | | 1 | | 2 | |
| 1511 | 6 | Cottonwood | Good | 1 | | | 0 | |
| 1512 | 10 | Bigtooth Aspen | Good | | 1 | | 2 | |
| 1513 | 12 | Bigtooth Aspen | Good | | 1 | | 2 | |
| 1514 | 12 | Bigtooth Aspen | Good | | 1 | | 2 | |
| 1515 | 7 | Bigtooth Aspen | Good | 1 | | | 1 | |
| 1516 | 12 | Wild Black Cherry | Good | | 1 | | 2 | |
| 1517 | 12 | Wild Black Cherry | Poor | | | | 0 | |
| 1518 | 6 | Black Oak | Good | 1 | | | 1 | |
| 1519 | 11 | Box elder | Good | | 1 | | 0 | |
| 1520 | 8 | Black Walnut | Good | 1 | | | 1 | |
| 1521 | 6 | White Oak | Good | 1 | | | 1 | |
| 1522 | 20 | Wild Black Cherry | Fair | | | 1 | 3 | |
| 1523 | 10 | Wild Black Cherry | Good | | 1 | | 2 | |
| 1524 | 6 | Box elder | Good | 1 | | | 0 | |
| 1525 | 15 | Crab Apple | Very Poor | | 1 | | 0 | |
| 1526 | 10 | Box elder | Fair | | | | 0 | |
| 1527 | 10 | Crab Apple | Very Poor | | 1 | | 0 | |
| 1528 | 21 | Wild Black Cherry | Good | | | 1 | 3 | |
| 1529 | 26 | Cottonwood | Good | | | 1 | 0 | |
| 1530 | 12 | Box elder | Good | | 1 | | 0 | |
| 1531 | 24 | White Oak | Good | | | 1 | 3 | |
| 1532 | 21 | Box elder | Fair | | | 1 | 0 | |
| 1533 | 7 | Box elder | Fair | 1 | | | 0 | |
| 1534 | 7 | Box elder | Fair | 1 | | | 0 | |
| 1535 | 42 | Cottonwood | Good | | | 1 | 0 | |
| 1536 | 7 | Box elder | Good | | | | 0 | |
| 1537 | 8 | Box elder | Fair | 1 | | | 0 | |
| 1538 | 13 | Black Oak | Good | | 1 | | 2 | |
| 1539 | 13 | Crab Apple | Very Poor | | 1 | | 0 | |
| 1540 | 13 | Crab Apple | Very Poor | | | | 0 | |
| 1541 | 9 | Crab Apple | Very Poor | | 1 | | 0 | |
| 1542 | 9 | Wild Black Cherry | Fair | | | | 2 | |
| 1543 | 13 | Wild Black Cherry | Fair | | 1 | | 2 | |
| 1544 | 14 | Wild Black Cherry | Fair | | 1 | | 2 | |
| 1545 | 8 | American Elm | Good | 1 | | | 1 | |
| 1546 | 16 | Wild Black Cherry | Good | | 1 | | 2 | |
| 1547 | 15 | Wild Black Cherry | Fair | | 1 | | 1 | |
| 1548 | 12 | Box elder | Fair | | 1 | | 0 | |
| 1549 | 7 | Box elder | Good | 1 | | | 0 | |
| 1550 | 8 | American Elm | Good | 1 | | | 1 | |
| 1551 | 6 | American Elm | Good | 1 | | | 1 | |
| 1552 | 9 | American Elm | Good | | 1 | | 2 | |
| 1553 | 27 | Wild Black Cherry | Good | | | 1 | 3 | |
| 1554 | 8 | American Elm | Good | 1 | | | 1 | |
| 1555 | 12 | Wild Black Cherry | Good | | 1 | | 2 | |
| 1556 | 8 | Wild Black Cherry | Good | 1 | | | 1 | |
| 1557 | 11 | Wild Black Cherry | Good | | 1 | | 2 | |
| 1558 | 12 | Wild Black Cherry | Fair | | 1 | | 2 | |
| 1559 | 11 | Crab Apple | Very Poor | | 1 | | 0 | |
| 1560 | 20 | Black Oak | Good | | | 1 | 3 | |
| 1561 | 10 | Wild Black Cherry | Fair | | 1 | | 2 | |
| 1562 | 9 | Wild Black Cherry | Good | | 1 | | 2 | |
| 1563 | 13 | Black Oak | Good | | 1 | | 2 | |
| 1564 | 17 | Cottonwood | Good | | | 1 | 0 | |
| 1565 | 7 | Cottonwood | Poor | 1 | | | 0 | |
| 1566 | 6 | Swamp White Oak | Good | 1 | | | 1 | |
| 1567 | 13 | Black Willow | Fair | | 1 | | 2 | |
| 1568 | 14 | Black Willow | Fair | | 1 | | 2 | |
| 1569 | 18 | Black Willow | Fair | | | 1 | 3 | |
| 1570 | 19 | Black Willow | Fair | | | 1 | 3 | |
| 1571 | 18 | Black Willow | Fair | | | 1 | 3 | |
| 1572 | 23 | Black Willow | Fair | | | 1 | 3 | |
| 1573 | 8 | American Elm | Good | 1 | | | 1 | |
| 1574 | 10 | Box elder | Fair | | 1 | | 0 | |
| 1575 | 23 | Black Willow | Fair | | | 1 | 3 | |
| 1576 | 26 | Silver Maple | Good | | | 1 | 0 | |
| 1577 | 23 | Silver Maple | Good | | | 1 | 0 | |
| 1578 | 21 | Silver Maple | Good | | | 1 | 0 | |
| 1579 | 22 | Black Willow | Poor | | | 1 | 0 | |
| 1580 | 22 | Black Willow | Good | | | 1 | 3 | |
| 1581 | 7 | Swamp White Oak | Good | 1 | | | 1 | |
| 1582 | 42 | Cottonwood | Good | | | 1 | 0 | |
| 1583 | 20 | Cottonwood | Good | | | 1 | 0 | |
| 1584 | 15 | Cottonwood | Good | | 1 | | 0 | |
| 1585 | 8 | Swamp White Oak | Good | 1 | | | 1 | |
| 1586 | 24 | Cottonwood | Good | | | 1 | 0 | |
| 1587 | 10 | Swamp White Oak | Fair | | 1 | | 2 | |
| 1588 | 6 | American Elm | Good | 1 | | | 1 | |
| 1589 | 14 | Black Oak | Good | | 1 | | 2 | |
| 1590 | 12 | American Elm | Good | | | | 2 | |
| 1591 | 11 | White Mulberry | Fair | | 1 | | 2 | |
| 1592 | 8 | Bigtooth Aspen | Fair | 1 | | | 1 | |
| 1593 | 10 | Black Walnut | Good | | 1 | | 2 | |
| 1594 | 13 | Box elder | Fair | | 1 | | 0 | |
| 1595 | 25 | Black Oak | Good | | | 1 | 3 | |
| 1596 | 8 | Box elder | Fair | 1 | | | 0 | |
| 1597 | 21 | Black Willow | Good | | | | 3 | |
| 1598 | 22 | Black Willow | Very Poor | | | 1 | 0 | |
| 1599 | 30 | Black Willow | Fair | | | 1 | 3 | |
| 1600 | 15 | Bradford Pear | Fair | | 1 | | 2 | |
| 1601 | 14 | Wild Black Cherry | Poor | | 1 | | 0 | |
| 1602 | 11 | Crab Apple | Very Poor | | 1 | | 0 | |
| 1603 | 7 | American Elm | Fair | 1 | | | 1 | |
| 1604 | 7 | American Elm | Fair | 1 | | | 1 | |
| 1605 | 15 | American Elm | Fair | | 1 | | 2 | |
| 1606 | 8 | American Elm | Fair | 1 | | | 1 | |
| 1607 | 10 | Swamp White Oak | Good | | 1 | | 2 | |
| SUBTOTAL(D) | | | | | | | 143 | |

| sub | | | | | Number of Tree Preservation | | |
|-------------|-----|--------------------|-----------|------------|-----------------------------|------------|---------|
| Tree Number | DBH | Common Name | Condition | 6-8" Trees | 8.1-16" Trees | >16" Trees | Credits |
| 1737 | 7 | Box elder | Fair | 1 | | | 0 |
| 1738 | 7 | White Oak | Good | 1 | | | 1 |
| 1739 | 12 | Wild Black Cherry | Good | | 1 | | 2 |
| 1740 | 17 | Crab Apple | Poor | | | 1 | 0 |
| 1741 | 7 | Box elder | Fair | 1 | | | 0 |
| 1742 | 8 | Box elder | Good | 1 | | | 0 |
| 1743 | 9 | Crab Apple | Very Poor | | 1 | | 0 |
| 1744 | 18 | Wild Black Cherry | Poor | | | | 0 |
| 1745 | 7 | Red Cedar | Poor | 1 | | | 0 |
| 1746 | 14 | Box elder | Poor | | 1 | | 0 |
| 1747 | 7 | Crab Apple | Very Poor | 1 | | | 0 |
| 1748 | 14 | Catalpa | Very Poor | | 1 | | 0 |
| 1749 | 16 | Wild Black Cherry | Fair | | 1 | | 2 |
| 1750 | 14 | Crab Apple | Very Poor | | 1 | | 0 |
| 1751 | 6 | Box elder | Poor | 1 | | | 0 |
| 1752 | 6 | Black Oak | Good | 1 | | | 1 |
| 1753 | 8 | White Oak | Good | 1 | | | 1 |
| 1754 | 6 | White Oak | Good | 1 | | | 1 |
| 1755 | 11 | Box elder | Good | | 1 | | 0 |
| 1756 | 8 | Wild Black Cherry | Good | 1 | | | 1 |
| 1757 | 18 | Wild Black Cherry | Good | | | 1 | 3 |
| 1758 | 8 | Box elder | Good | 1 | | | 0 |
| 1759 | 25 | Wild Black Cherry | Fair | | | 1 | 3 |
| 1760 | 8 | Box elder | Poor | 1 | | | 0 |
| 1761 | 17 | Siberian Elm | Good | | | 1 | 3 |
| 1762 | 23 | Box elder | Poor | | | 1 | 0 |
| 1763 | 8 | Black Oak | Fair | 1 | | | 1 |
| 1764 | 7 | Wild Black Cherry | Good | 1 | | | 1 |
| 1765 | 10 | Red Cedar | Poor | | 1 | | 0 |
| 1766 | 7 | Red Cedar | Poor | 1 | | | 0 |
| 1767 | 8 | Red Cedar | Poor | 1 | | | 0 |
| 1768 | 7 | Red Cedar | Poor | 1 | | | 0 |
| 1769 | 9 | Red Cedar | Poor | | 1 | | 0 |
| 1770 | 17 | Wild Black Cherry | Good | | | 1 | 3 |
| 1771 | 10 | Box elder | Poor | | 1 | | 0 |
| 1772 | 9 | Box elder | Fair | | 1 | | 0 |
| 1773 | 7 | Black Walnut | Fair | 1 | | | 1 |
| 1774 | 6 | Box elder | Fair | 1 | | | 0 |
| 1775 | 8 | Black Walnut | Fair | 1 | | | 1 |
| 1776 | 6 | Black Walnut | Fair | 1 | | | 1 |
| 1777 | 8 | Crab Apple | Very Poor | 1 | | | 0 |
| 1778 | 11 | Box elder | Good | | 1 | | 0 |
| 1779 | 12 | Wild Black Cherry | Fair | | 1 | | 2 |
| 1780 | 9 | Bigtooth Aspen | Good | | 1 | | 2 |
| 1781 | 11 | Wild Black Cherry | Fair | | 1 | | 2 |
| 1782 | 7 | Red Cedar | Poor | 1 | | | 0 |
| 1783 | 7 | Wild Black Cherry | Good | 1 | | | 1 |
| 1784 | 19 | Wild Black Cherry | Good | | | 1 | 3 |
| 1785 | 18 | Box elder | Fair | | | 1 | 0 |
| 1786 | 16 | Wild Black Cherry | Fair | | 1 | | 2 |
| 1787 | 15 | Wild Black Cherry | Good | | 1 | | 2 |
| 1788 | 13 | Cottonwood | Fair | | 1 | | 0 |
| 1789 | 15 | Cottonwood | Fair | | 1 | | 0 |
| 1790 | 24 | Cottonwood | Good | | | 1 | 0 |
| 1791 | 13 | Wild Black Cherry | Fair | | 1 | | 2 |
| 1792 | 13 | European Buckthorn | Good | | 1 | | 2 |
| 1793 | 7 | Black Oak | Good | 1 | | | 1 |
| 1794 | 7 | Box elder | Good | 1 | | | 0 |
| 1795 | 8 | Crab Apple | Very Poor | 1 | | | 0 |
| 1796 | 9 | Black Oak | Good | | 1 | | 2 |
| 1797 | 13 | Wild Black Cherry | Good | | 1 | | 2 |
| 1798 | 18 | Wild Black Cherry | Good | | | 1 | 3 |
| 1799 | 11 | Box elder | Fair | | 1 | | 0 |
| 1800 | 10 | Wild Black Cherry | Fair | | 1 | | 2 |
| 1801 | 13 | Cottonwood | Good | | 1 | | 0 |
| 1802 | 7 | Red Cedar | Fair | 1 | | | 1 |
| 1803 | 8 | Red Cedar | Fair | 1 | | | 1 |
| 1804 | 22 | Cottonwood | Good | | | 1 | 0 |
| 1805 | 15 | Crab Apple | Good | | 1 | | 2 |
| 1806 | 14 | Cottonwood | Good | | 1 | | 0 |
| 1807 | 13 | Cottonwood | Fair | | 1 | | 0 |
| 1808 | 11 | Cottonwood | Good | | 1 | | 0 |
| 1809 | 12 | Red Cedar | Poor | | 1 | | 0 |
| 1810 | 7 | Swamp White Oak | Good | 1 | | | 1 |
| 1811 | 13 | Bigtooth Aspen | Good | | 1 | | 2 |
| 1812 | 11 | Bigtooth Aspen | Good | | 1 | | 2 |
| 1813 | 8 | Bigtooth Aspen | Good | 1 | | | 1 |
| 1814 | 8 | Bigtooth Aspen | Good | 1 | | | 1 |
| 1815 | 8 | Cottonwood | Fair | 1 | | | 0 |
| 1816 | 7 | Bigtooth Aspen | Fair | 1 | | | 1 |
| 1817 | 8 | Bigtooth Aspen | Good | 1 | | | 1 |
| 1818 | 7 | Bigtooth Aspen | Good | 1 | | | 1 |
| 1819 | 11 | Bigtooth Aspen | Good | | 1 | | 2 |
| 1820 | 7 | Red Cedar | Fair | 1 | | | 1 |
| 1821 | 9 | Bigtooth Aspen | Good | | 1 | | 2 |
| 1822 | 12 | Bigtooth Aspen | Good | | 1 | | 2 |
| 1823 | 13 | Bigtooth Aspen | Good | | 1 | | 2 |
| 1824 | 12 | Bigtooth Aspen | Fair | | 1 | | 2 |
| 1825 | 12 | Bigtooth Aspen | Fair | | 1 | | 2 |
| 1826 | 7 | Bigtooth Aspen | Fair | 1 | | | 1 |
| 1827 | 7 | Cottonwood | Good | 1 | | | 0 |
| 1828 | 13 | Bigtooth Aspen | Fair | | 1 | | 2 |
| 1829 | 12 | Cottonwood | Good | | 1 | | 0 |
| 1830 | 18 | Cottonwood | Fair | | | 1 | 0 |
| 1831 | 7 | Bigtooth Aspen | Fair | 1 | | | 1 |
| 1832 | 12 | Bigtooth Aspen | Fair | | 1 | | 2 |
| 1833 | 10 | Bigtooth Aspen | Good | | 1 | | 2 |
| 1834 | 7 | Bigtooth Aspen | Good | 1 | | | 1 |
| 1835 | 6 | Bigtooth Aspen | Good | 1 | | | 1 |
| 1836 | 11 | Bigtooth Aspen | Good | | 1 | | 2 |
| 1837 | 9 | Bigtooth Aspen | Good | | 1 | | 2 |
| 1838 | 12 | Box elder | Fair | | 1 | | 0 |
| 1839 | 20 | Box elder | Fair | | | 1 | 0 |
| 1840 | 21 | Box elder | Good | | | 1 | 0 |
| 1841 | 6 | Black Oak | Good | 1 | | | 1 |
| 1842 | 8 | Box elder | Poor | 1 | | | 0 |
| 1843 | 6 | Wild Black Cherry | Good | 1 | | | 1 |
| 1844 | 11 | Red Cedar | Poor | | 1 | | 0 |
| 1845 | 7 | Wild Black Cherry | Fair | 1 | | | 1 |
| 1846 | 16 | Wild Black Cherry | Fair | | 1 | | 2 |
| 1847 | 7 | Bigtooth Aspen | Fair | 1 | | | 1 |
| 1848 | 15 | Bigtooth Aspen | Fair | | 1 | | 2 |
| 1849 | 10 | Bigtooth Aspen | Good | | 1 | | 2 |
| 1850 | 10 | Bigtooth Aspen | Fair | | 1 | | 2 |
| 1851 | 15 | Bigtooth Aspen | Good | | 1 | | 2 |
| 1852 | 9 | Bigtooth Aspen | Fair | | 1 | | 2 |
| 1853 | 6 | Bigtooth Aspen | Poor | 1 | | | 0 |
| 1854 | 13 | Wild Black Cherry | Fair | | 1 | | 2 |
| 1855 | 16 | Cottonwood | Fair | | 1 | | 0 |
| 1856 | 17 | Cottonwood | Fair | | | 1 | 0 |
| 1857 | 9 | Bigtooth Aspen | Good | | 1 | | 2 |
| 1858 | 6 | Bigtooth Aspen | Fair | 1 | | | 1 |
| 1859 | 9 | Bigtooth Aspen | Good | | 1 | | 2 |
| 1860 | 7 | Bigtooth Aspen | Good | 1 | | | 1 |
| 1861 | 10 | Bigtooth Aspen | Poor | | 1 | | 0 |
| 1862 | 6 | Bigtooth Aspen | Good | 1 | | | 1 |
| 1863 | 7 | Bigtooth Aspen | Good | 1 | | | 1 |
| 1864 | 9 | Bigtooth Aspen | Good | | 1 | | 2 |
| 1865 | 8 | Cottonwood | Good | 1 | | | 0 |
| SUBTOTAL(F) | | | | 123 | | | |

| sub | | | | | Number of Tree Preservation | | |
|-------------|-----|----------------|-----------|------------|-----------------------------|------------|---------|
| Tree Number | DBH | Common Name | Condition | 6-8" Trees | 8.1-16" Trees | >16" Trees | Credits |
| 1866 | 11 | Bigtooth Aspen | Good | | 1 | | 2 |
| 1867 | 7 | Bigtooth Aspen | Good | 1 | | | 1 |
| 1868 | 12 | Bigtooth Aspen | Good | | 1 | | 2 |
| 1869 | 12 | Bigtooth Aspen | Good | | 1 | | 2 |
| 1870 | 14 | Bigtooth Aspen | Fair | | 1 | | 2 |
| 1871 | 13 | Bigtooth Aspen | Fair | | 1 | | 2 |
| 1872 | 6 | Bigtooth Aspen | Good | 1 | | | 1 |
| 1873 | 12 | Bigtooth Aspen | Fair | | 1 | | 2 |
| 1874 | 6 | Bigtooth Aspen | Good | 1 | | | 1 |
| 1875 | 8 | Bigtooth Aspen | Fair | 1 | | | 1 |
| 1876 | 6 | Bigtooth Aspen | Fair | 1 | | | 1 |
| 1877 | 6 | Bigtooth Aspen | Fair | 1 | | | 1 |
| 1878 | 6 | Bigtooth Aspen | Fair | 1 | | | 1 |
| 1879 | 6 | Bigtooth Aspen | Good | 1 | | | 1 |
| 1880 | 7 | Cottonwood | Fair | 1 | | | 0 |
| 1881 | 8 | Red Cedar | Fair | 1 | | | 1 |
| 1882 | 7 | Red Cedar | Fair | 1 | | | 1 |
| 1883 | 11 | Cottonwood | Fair | | 1 | | 0 |
| 1884 | 11 | Crab Apple | Very Poor | | 1 | | 0 |
| 1889 | 11 | Cottonwood | Poor | | 1 | | 0 |
| 1890 | 9 | Cottonwood | Good | | 1 | | 0 |
| 1891 | 10 | Cottonwood | Fair | | 1 | | 0 |

SUBTOTAL(G) 22

SUBTOTAL(A) = 104
SUBTOTAL(B) = 103
SUBTOTAL(C) = 120
SUBTOTAL(D) = 143
SUBTOTAL(E) = 133
SUBTOTAL(F) = 123
SUBTOTAL(G) = 22

TOTAL = 748 TREE
PRESERVATION CREDITS

REQUIRED TREES TO BE REPLACED (NO CREDIT) 151 TREES

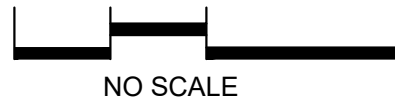
TREE PRESERVATION POTENTIAL CREDITS 748

ALLOWABLE CREDITS 75 TREES

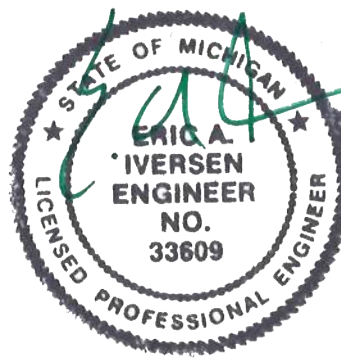
REPLACEMENT TREES REQUIRED (WITH CREDITS) 76 TREES

PEA
GROUP

t: 844.813.2949
www.peagroup.com



CAUTION!!
THE LOCATIONS AND ELEVATIONS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS DRAWING ARE ONLY APPROXIMATE. NO GUARANTEE OR OTHER EXPRESSED OR IMPLIED AS TO THE COMPLETENESS OR ACCURACY THEREOF. THE CONTRACTOR SHALL BE EXCLUSIVELY RESPONSIBLE FOR DETERMINING THE EXACT UTILITY LOCATIONS AND ELEVATIONS PRIOR TO THE START OF CONSTRUCTION.



CLIENT

GESTAMP
5800 SIBLEY ROAD
CHELSEA, MICHIGAN 48118

PROJECT TITLE

GESTAMP
5800 SIBLEY ROAD
CHELSEA, MICHIGAN 48118

REVISIONS

SITE PLAN 1/20/23

ORIGINAL ISSUE DATE:
JANUARY 20, 2023

DRAWING TITLE

TREE
REPLACEMENT
CALCULATIONS

PEA JOB NO. 2022-0484

P.M. EAI

DN. SEP

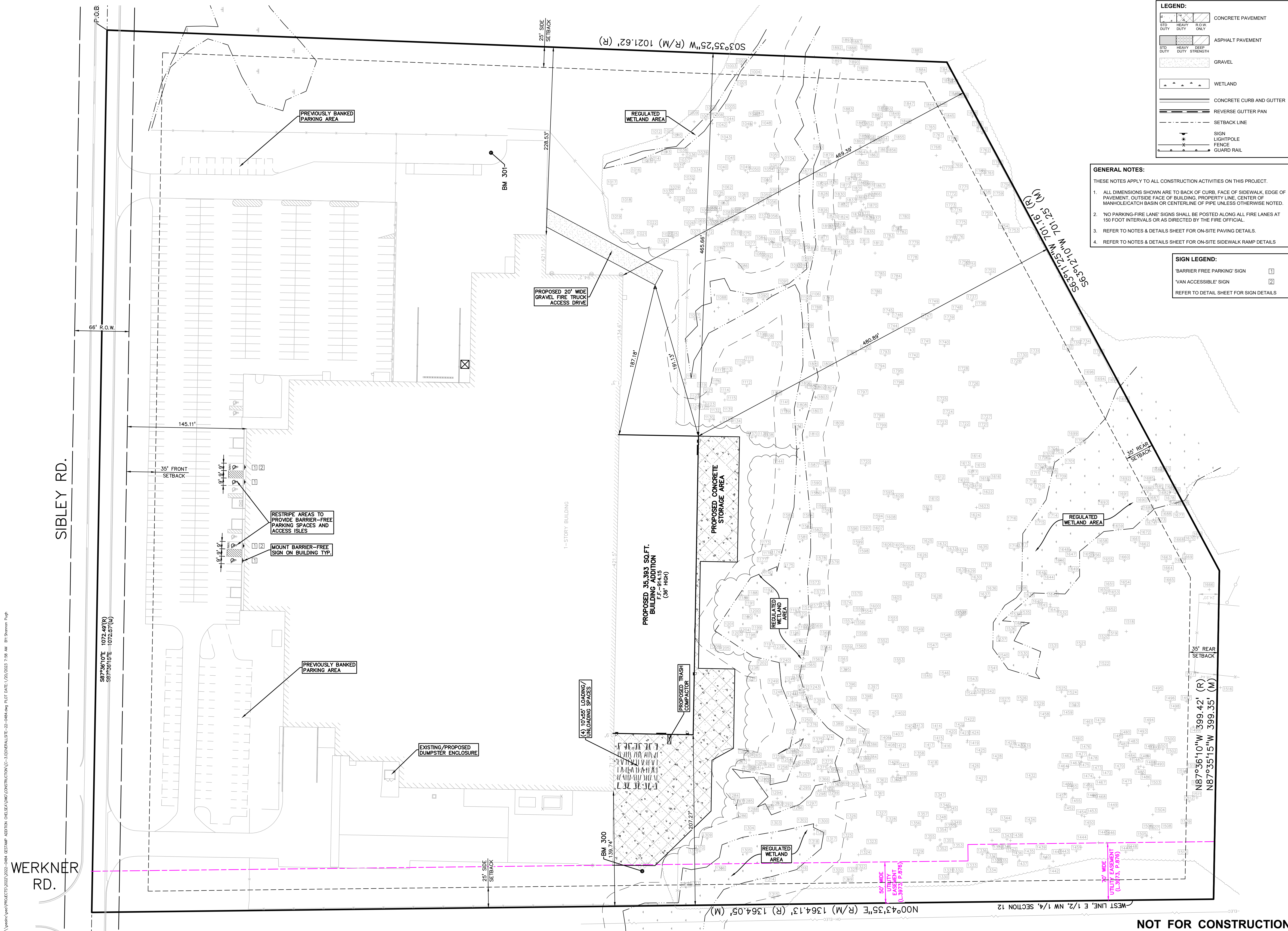
DES. EAI

DRAWING NUMBER:

NOT FOR CONSTRUCTION

C-2.3

\\pea\p\proj\2022-0484-0481-000\GENERAL\SITE-22-0484.dwg PLOT DATE: 1/20/2023 7:58 AM B1:Sharon Pugh



LEGEND:

| | |
|-------------------|--------------------------|
| CONCRETE PAVEMENT | CONCRETE CURB AND GUTTER |
| ASPHALT PAVEMENT | REVERSE GUTTER PAN |
| GRAVEL | SETBACK LINE |
| WETLAND | SIGN LIGHTPOLE |
| FENCE | GUARD RAIL |

- GENERAL NOTES:**
- THESE NOTES APPLY TO ALL CONSTRUCTION ACTIVITIES ON THIS PROJECT.
- ALL DIMENSIONS SHOWN ARE TO BACK OF CURB, FACE OF SIDEWALK, EDGE OF PAVEMENT, OUTSIDE FACE OF BUILDING, PROPERTY LINE, CENTER OF MANHOLE/CATCH BASIN OR CENTERLINE OF PIPE UNLESS OTHERWISE NOTED.
 - 'NO PARKING-FIRE LANE' SIGNS SHALL BE POSTED ALONG ALL FIRE LANES AT 150 FOOT INTERVALS OR AS DIRECTED BY THE FIRE OFFICIAL.
 - REFER TO NOTES & DETAILS SHEET FOR ON-SITE PAVING DETAILS.
 - REFER TO NOTES & DETAILS SHEET FOR ON-SITE SIDEWALK RAMP DETAILS.

SIGN LEGEND:

| | |
|-----------------------------|---|
| 'BARRIER FREE PARKING' SIGN | 1 |
| 'VAN ACCESSIBLE' SIGN | 2 |

REFER TO DETAIL SHEET FOR SIGN DETAILS

PEA GROUP

t: 844.813.2949
www.peagroup.com

STATE OF MICHIGAN
ALAN D. BOYER
ENGINEER
No. 32017

NORTH

0 25 50 100
SCALE: 1" = 50'

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

CAUTION!!
THE LOCATIONS AND ELEVATIONS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS DRAWING ARE ONLY APPROXIMATE. NO GUARANTEE AS TO ACCURACY THEREOF. THE CONTRACTOR SHALL BE EXCLUSIVELY RESPONSIBLE FOR DETERMINING THE EXACT UTILITY LOCATIONS AND ELEVATIONS PRIOR TO THE START OF CONSTRUCTION.

STATE OF MICHIGAN
ERICA A. IVERSEN
ENGINEER
NO. 33609
LICENSED PROFESSIONAL ENGINEER

CLIENT
GESTAMP
5800 SIBLEY ROAD
CHelsea, MICHIGAN 48118

PROJECT TITLE
GESTAMP
5800 SIBLEY ROAD
CHelsea, MICHIGAN 48118

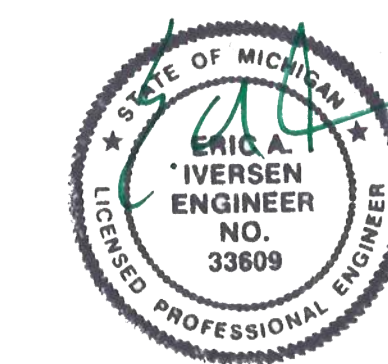
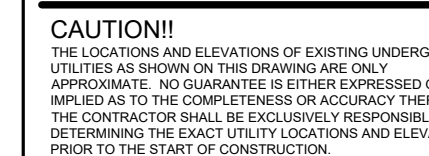
| REVISIONS | |
|-----------|---------|
| SITE PLAN | 1/20/23 |
| | |
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| | |
| | |

ORIGINAL ISSUE DATE:
JANUARY 20, 2023

DRAWING TITLE
OVERALL SITE PLAN

| | |
|-------------|-----------|
| PEA JOB NO. | 2022-0484 |
| P.M. | EAI |
| DN. | SEP |
| DES. | EAI |

DRAWING NUMBER:
C-3.0



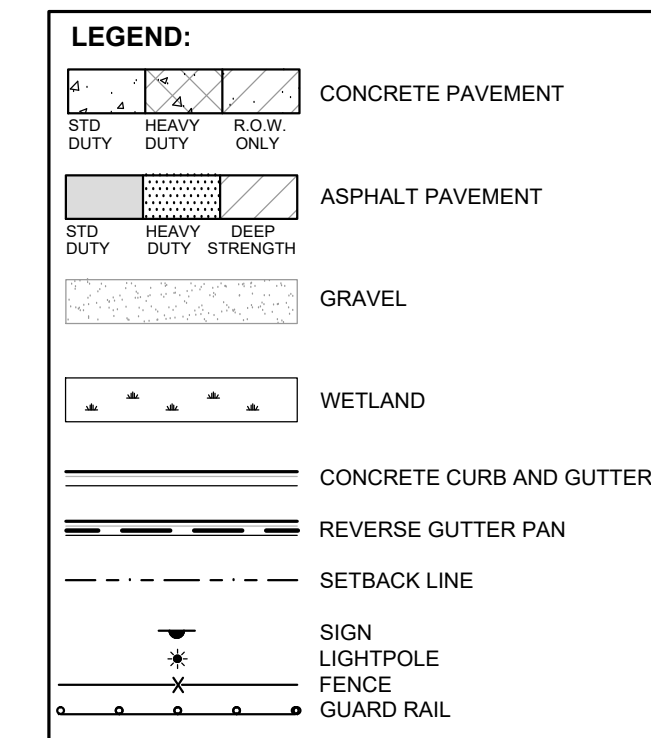
GESTAMP
5800 SIBLEY ROAD
CHELSEA, MICHIGAN 48118

GESTAMP
5800 SIBLEY ROAD
CHELSEA, MICHIGAN 48118

DRAWING TITLE
**ENLARGED SITE
PLAN**

DRAWING NUMBER:

C-3.1



GENERAL NOTES

THESE NOTES APPLY TO ALL CONSTRUCTION ACTIVITIES ON THIS PROJECT.

1. ALL DIMENSIONS ARE SHOWN ARE TO BACK OF CURB, FACE OF SIDEWALK, EDGE OF PAVEMENT, OUTSIDE FACE OF BUILDING, PROPERTY LINE, CENTER OF MANHOLE/CATCH BASIN OR CENTERLINE OF PIPE UNLESS OTHERWISE NOTED.
2. "NO PARKING-FIRE LANE" SIGNS SHALL BE POSTED ALONG ALL FIRE LANES AT 150 FOOT INTERVALS OR AS DIRECTED BY THE FIRE OFFICIAL.
3. REFER TO NOTES & DETAILS SHEET FOR ON-SITE PAVING DETAILS.
4. REFER TO NOTES & DETAILS SHEET FOR ON-SITE SIDEWALK RAMP DETAILS
5. SEE GRADING PLAN SHEET C-4.0 FOR WETLAND TO GRADING SETBACKS.

SITE DATA TABLE

SITE AREA: 30.13 ACRES (1,312,431 SF.) GROSS
29.32 ACRES (1,277,036 SF.) NET (LOT AREA)

ZONING: GI - GENERAL INDUSTRIAL

PROPOSED USE: MANUFACTURING

BUILDING INFORMATION

BUILDING INFORMATION:
 MAXIMUM ALLOWABLE BUILDING HEIGHT = 40 FT.
 PROPOSED BUILDING HEIGHT = 36 FT.

GROUND FLOOR AREA (GFA)

| | |
|------------|-----------------|
| EXISTING | |
| MANUF. = | 221,714 SF. GFA |
| OFFICE = | 11,190 SF. GFA |
| TOTAL = | 232,904 SF. GFA |
| PROPOSED | |
| ADDITION = | 35,393 SF. GFA |
| TOTAL = | 268,297 SF. GFA |

| | |
|----------------------------|-------------------------------|
| SECOND FLOOR OFFICE AREA = | 7,677 SF. (EXISTING/PROPOSED) |
| SECOND FLOOR MANUF. AREA = | 2,932 SF. (EXISTING/PROPOSED) |
| TOTAL FLOOR AREA = | 278,906 SF. (GROSS) |

BUILDING LOT COVERAGE = 18.2% (EXISTING)
21.0% (AFTER ADDITION)

| <u>SETBACK REQUIREMENTS:</u> | <u>REQUIRED:</u> | <u>EXIST.:</u> | <u>PROPOSED:</u> |
|------------------------------|------------------|----------------|------------------|
| FRONT (NORTH) | 35' | 145.1' | N/A |
| SIDE (EAST) | 25' | 228.5' | 465.7' |
| SIDE (WEST) | 25' | 139.7' | 207.3' |
| REAR (SOUTH) | 35' | 469.4' | 480.9' |

PARKING CALCULATIONS

MANUF. USES - LESSER OF: 1 SPACE PER 1,000 SF. USABLE FLOOR AREA (UFA) =

$$\left[\frac{(221,714 + 2,932 + 35,393) \times 0.85}{221,033 \text{ SF.} / 1000} \right] = 221 \text{ SPACES}$$
 OR
 1.2 SPACES PER EMPLOYEE IN LARGEST SHIFT =

$$1.2 \times 100 \text{ EMPLOYEES} = \underline{120 \text{ SPACES}}$$
 PLUS
 1 SPACE PER COMPANY VEHICLE = 0 SPACES

OFFICE USE : 1 SPACE PER 500 SF. OFFICE UFA =

$$[(11,190 + 7,677) \times 0.85] 16,037 \text{ SF} / 500 = 32 \text{ SPACES}$$

TOTAL REQUIRED PARKING = 120 + 0 + 32 = 152 SPACES

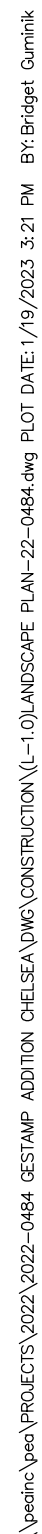
TOTAL EXISTING/PROPOSED PARKING SPACES = 313 SPACES INC. 8 H/C SPACES

IMPERVIOUS COVERAGE

MAXIMUM ALLOWED = 80%
EXISTING = 24%







SITE SOILS INFORMATION:
ACCORDING TO THE USDA NATURAL RESOURCES CONSERVATION SERVICE
WEB SOIL SURVEY FOR WASHTENAW COUNTY, THE SITE CONSISTS OF THE
FOLLOWING SOIL TYPES:

KENDALLVILLE LOAM, 2 TO 6 PERCENT SLOPES
MACOMB LOAM, 0 TO 4 PERCENT SLOPES
OWOSSO-MIAMI COMPLEX, 2 TO 6 PERCENT SLOPES
OWOSSO-MIAMI COMPLEX, 6 TO 12 PERCENT SLOPES
SEBEWA LOAM, DISINTEGRATION MORAINE, 0 TO 2 PERCENT SLOPES



| PLANT LIST FOR L-1.0 | | | | | |
|----------------------------|-----------------------|----------------------------|--|-----------|-------|
| TREE PLANT LIST: | | | | | |
| QUANTITY | KEY SYMBOL | COMMON NAME | SCIENTIFIC NAME | SIZE | SPEC |
| 4 | AS2.5 | Green Mountain Sugar Maple | <i>Acer saccharum</i> 'Green Mountain' | 2.5" Cal. | B&B |
| 5 | BN10 | River Birch | <i>Betula nigra</i> | 10' Ht. | B&B |
| 10 | PO2.5 | American Sycamore | <i>Platanus occidentalis</i> | 2.5" Cal. | B&B |
| 10 | QB2.5 | Swamp White Oak | <i>Quercus bicolor</i> | 2.5" Cal. | B&B |
| 29 | TOTAL DECIDUOUS TREES | | | | |
| | | | | | |
| EVERGREEN TREE PLANT LIST: | | | | | |
| QUANTITY | KEY SYMBOL | COMMON NAME | SCIENTIFIC NAME | SIZE | SPEC |
| 12 | AB8 | Balsam Fir | <i>Abies balsamea</i> | 8' Ht. | B&B |
| 13 | PA8 | Norway Spruce | <i>Picea abies</i> | 8' Ht. | B&B |
| 9 | PG8 | Black Hills Spruce | <i>Picea glauca</i> 'Densata' | 8' Ht. | B&B |
| 13 | PS8 | Eastern White Pine | <i>Pinus strobus</i> | 8' Ht. | B&B |
| 47 | TOTAL EVERGREEN TREES | | | | |
| | | | | | |
| SHRUB PLANT LIST: | | | | | |
| QUANTITY | KEY SYMBOL | COMMON NAME | SCIENTIFIC NAME | SIZE | SPEC |
| 9 | JC6 | Keteleer Juniper | <i>Juniperus chinensis</i> 'Keteleeri' | 6' Ht. | B&B |
| 8 | VD36 | Blue Muffin Viburnum | <i>Viburnum dentatum</i> 'Christom' | 36" Ht. | Cont. |
| 17 | TOTAL SHRUBS | | | | |

| SHRUB PLANT LIST: | | | | | |
|-------------------|--------------|----------------------|--|---------|-------|
| QUANTITY | KEY SYMBOL | COMMON NAME | SCIENTIFIC NAME | SIZE | SPEC |
| 9 | JC6 | Keteleer Juniper | <i>Juniperus chinensis</i> 'Keteleeri' | 6' Ht. | B&B |
| 8 | VD36 | Blue Muffin Viburnum | <i>Viburnum dentatum</i> 'Christom' | 36" Ht. | Cont. |
| 17 | TOTAL SHRUBS | | | | |

- # KEY
- | | |
|---|--|
|  | = DECIDUOUS TREES |
|  | = EVERGREEN TREES |
|  | = DECIDUOUS SHRUBS |
|  | = LOW-PROFILE PRAIRIE SEED MIX |
|  | = RESTORE SEED LAWN |
|  | = EXISTING TREES TO REMAIN WITH TREE PROTECTION FENCE |
- SEE DETAIL SHEET L-1.1 FOR NATIVE SEED MIX INFORMATION
AND LANDSCAPE DETAILS

LANDSCAPE CALCULATIONS:
PER CITY OF CHELSEA ZONING ORDINANCE

REPLACEMENT TREES
REQUIRED PER CITY ORDINANCE, REFER TO TREE
PRESERVATION SHEETS FOR DETAILS

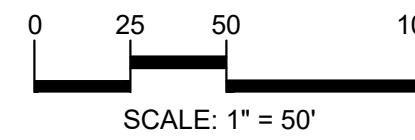
REQUIRED: 76 TREES

PROVIDED: 47 EVG TREES TO SERVE AS SCREENING AND 29 DEC TREES

GENERAL PLANTING NOTES:

1. LANDSCAPE CONTRACTOR SHALL VISIT SITE, INSPECT EXISTING SITE CONDITIONS AND REVIEW PROPOSED PLANTING AND RELATED WORK. IN CASE OF DISCREPANCY BETWEEN PLAN AND PLANT LIST, PLAN SHALL GOVERN QUANTITIES. CONTACT LANDSCAPE ARCHITECT WITH ANY CONCERNS.
2. CONTRACTOR SHALL VERIFY LOCATIONS OF ALL ON SITE UTILITIES PRIOR TO BEGINNING CONSTRUCTION ON ANY PART OF THE SITE. ELECTRIC, GAS, TELEPHONE, CABLE TELEVISION MAY BE LOCATED BY CALLING MISS DIO 1-800-482-7171. ANY DAMAGE OR INTERRUPTION OF SERVICES SHALL BE THE RESPONSIBILITY OF CONTRACTOR. CONTRACTOR SHALL COORDINATE ALL RELATED ACTIVITIES WITH OTHER TRADES ON THE JOB AND SHALL REPORT ANY UNACCEPTABLE JOB CONDITIONS TO OWNER'S REPRESENTATIVE PRIOR TO COMMENCING.
3. ALL PLANT MATERIAL TO BE PREMIUM GRADE NURSERY STOCK AND SHALL SATISFY AMERICAN ASSOCIATION OF NURSERYMEN STANDARD FOR NURSERY STOCK. ALL LANDSCAPE MATERIAL SHALL BE NORTHERN GROWN, NO. 1. GRADE.
4. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES SHOWN ON LANDSCAPE PLAN PRIOR TO PRICING THE WORK.
5. THE OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO REJECT ANY PLANT MATERIAL NOT MEETING SPECIFICATIONS.
6. ALL SINGLE STEM SHADE TREES TO HAVE STRAIGHT TRUNKS AND SYMMETRICAL CROWNS.
7. ALL SINGLE TRUNK SHADE TREES TO HAVE A CENTRAL LEADER; TREES WITH FORKED OR IRREGULAR TRUNKS WILL NOT BE ACCEPTED.
8. ALL MULTI STEM TREES SHALL BE HEAVILY BRANCHED AND HAVE SYMMETRICAL CROWNS. ONE SIDED TREES OR THOSE WITH THIN OR OPEN CROWNS SHALL NOT BE ACCEPTED.
9. ALL EVERGREEN TREES SHALL BE HEAVILY BRANCHED AND HAVE A STRONG, SYMMETRICAL IN SHAPE AND NOT SHEARED FOR THE LAST FIVE GROWING SEASONS.
10. ALL TREES TO HAVE CLAY OR CLAY LOAM BALLS, TREES WITH SAND BALLS WILL BE REJECTED.
11. NO MACHINERY IS TO BE USED WITHIN THE DRIP LINE OF EXISTING TREES; HAND GRADE ALL LAWN AREAS WITHIN THE DRIP LINE OF EXISTING TREES.
12. ALL TREE LOCATIONS SHALL BE STAKED BY LANDSCAPE CONTRACTOR AND ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION OF THE PLANT MATERIAL.
13. IT IS MANDATORY THAT POSITIVE DRAINAGE IS PROVIDED AWAY FROM ALL BUILDINGS.
14. ALL PLANTING BEDS SHALL RECEIVE 3" SHREDED HARDWOOD BARK MULCH WITH PRE EMERGENT. SEE SPECIFICATIONS. SHREDED PALETTE AND DYED MULCH WILL NOT BE ACCEPTED.
15. ALL LANDSCAPED AREAS SHALL RECEIVE 3" COMPACTED TOSPOIL.
16. SEE SPECIFICATIONS FOR ADDITIONAL COMMENTS, REQUIREMENTS, PLANTING PROCEDURES AND WARRANTY STANDARDS.
17. FOR NON-LAWN SEED MIXED AREAS, AS NOTED ON PLAN, BRUSH MOW ONCE ANNUALLY FOR INVASIVE SPECIES CONTROL.
18. CONTRACTOR SHALL NOT INSTALL PLANTS UNDER BUILDING OVERHANG AND SHALL NOTIFY LANDSCAPE ARCHITECT IF DRAWINGS CONFLICT WITH BUILDING OVERHANGS.
19. TREES SHALL NOT CONTACT/ BLOCK PROPOSED REGULATORY/ DIRECT LIGHT SIGNAGE, MONUMENT SIGNS, ADDRESS OR LIGHT POLES. SHIFT TREES AS NECESSARY TYPE.
20. USE OF FERTILIZERS ALONG THE SIDE SLOPES OR WITHIN THE STORMWATER BASIN IS PROHIBITED.

PEA
GROUP
t: 844.813.2949
www.peagroup.com



CAUTION!!
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CLIENT

GESTAMP
5800 SIBLEY ROAD
CHELSEA, MICHIGAN 48118

PROJECT TITLE

GESTAMP
5800 SIBLEY ROAD
CHELSEA, MICHIGAN 48118

REVISIONS

SITE PLAN 1/20

ORIGINAL ISSUE DATE:
JANUARY 20, 2023

DRAWING TITLE

LANDSCAPE PLAN

PEA JOB NO. 2022-048

P.M. E

| | |
|-----------------|-----------------|
| DN _i | BG _i |
|-----------------|-----------------|

DES. JI

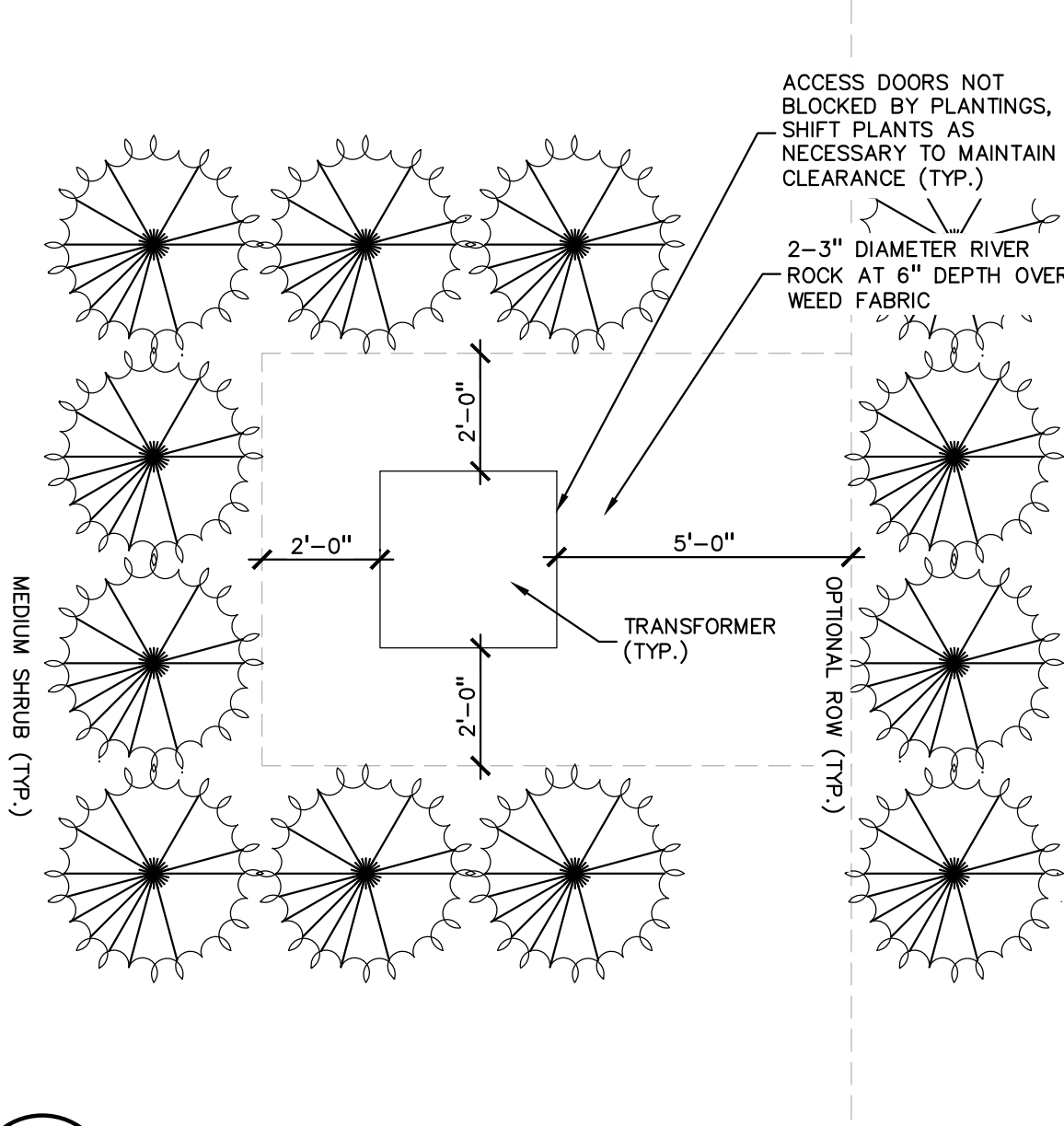
DRAWING NUMBER

NOT FOR CONSTRUCTION

L-1.0

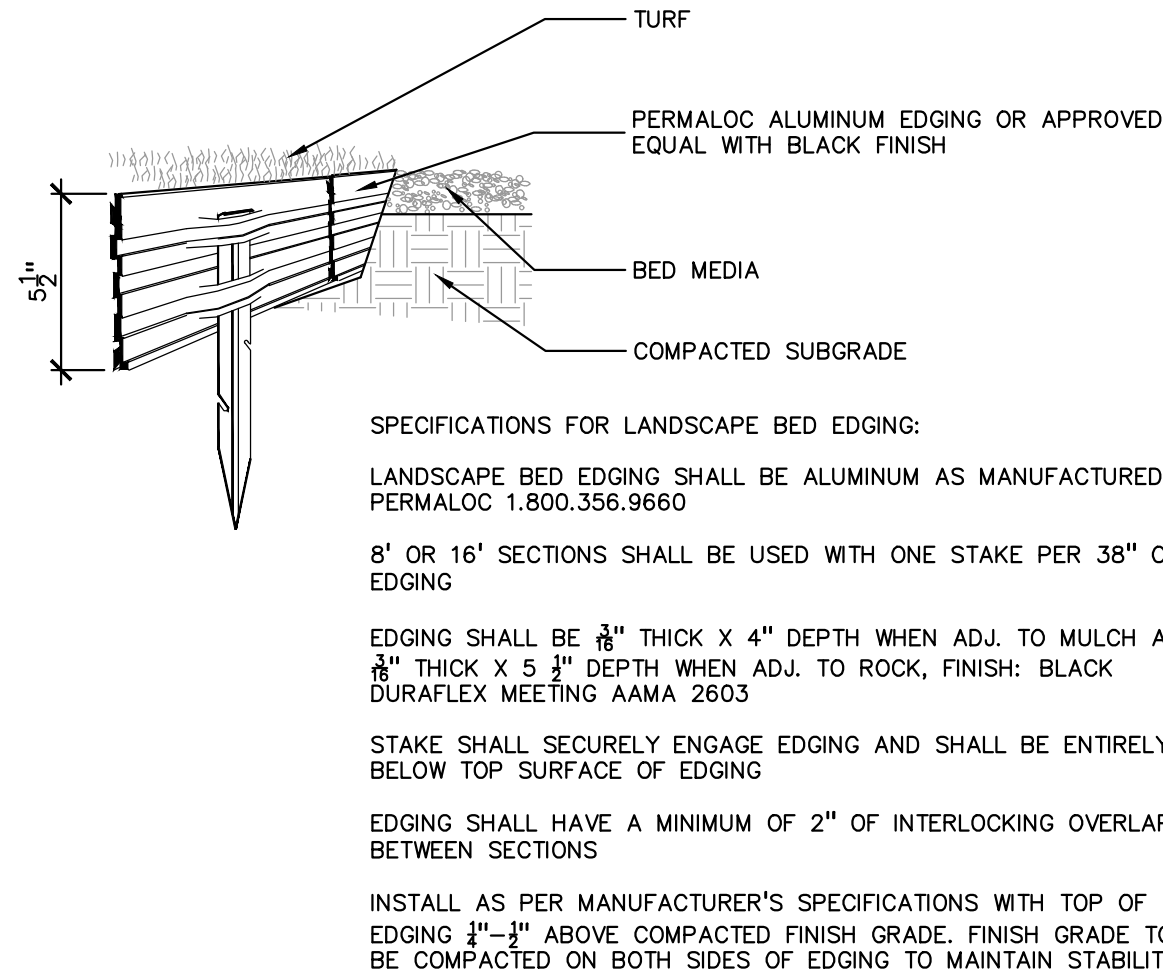
| Botanical Name | Common Name |
|------------------------------------|--------------------------------|
| Permanent Grasses: | |
| <i>Bouteloua curtipendula</i> | Side Oats Grama |
| <i>Carex spp.</i> | Prairie Carex Mix |
| <i>Elymus canadensis</i> | Canada Wild Rye |
| <i>Koeleria pyramidata</i> | June Grass |
| <i>Panicum virgatum</i> | Switch Grass |
| <i>Schizachyrium scoparium</i> | Little Bluestem |
| Temporary Cover: | |
| <i>Avena sativa</i> | Common Oat |
| <i>Lolium multiflorum</i> | Annual Rye |
| Forbs: | |
| <i>Amorpha canescens</i> | Lead Plant |
| <i>Anemone cylindrica</i> | Thimbleweed |
| <i>Asclepias syriaca</i> | Common Milkweed |
| <i>Asclepias tuberosa</i> | Butterfly Milkweed |
| <i>Baptisia alba</i> | White Wild Indigo |
| <i>Chamaecrista fasciculata</i> | Partridge Pea |
| <i>Coreopsis lanceolata</i> | Sand Coreopsis |
| <i>Coreopsis palmata</i> | Prairie Coreopsis |
| <i>Dalea candida</i> | White Prairie Clover |
| <i>Dalea purpurea</i> | Purple Prairie Clover |
| <i>Desmanthus illinoensis</i> | Illinois Sensitive Plant |
| <i>Echinacea purpurea</i> | Broad-Leaved Purple Coneflower |
| <i>Eryngium yuccifolium</i> | Rattlesnake Master |
| <i>Lespedeza capitata</i> | Round-Head Bush Clover |
| <i>Liatris aspera</i> | Rough Blazing Star |
| <i>Lupinus perennis</i> | Wild Lupine |
| <i>Monarda fistulosa</i> | Wild Bergamot |
| <i>Oligoneuron rigidum</i> | Stiff Goldenrod |
| <i>Parthenium integrifolium</i> | Wild Quinine |
| <i>Penstemon digitalis</i> | Foxglove Beard Tongue |
| <i>Penstemon hirsutus</i> | Hairy Beard Tongue |
| <i>Pycnanthemum virginianum</i> | Common Mountain Mint |
| <i>Ratibida pinnata</i> | Yellow Coneflower |
| <i>Rudbeckia hirta</i> | Black-Eyed Susan |
| <i>Rudbeckia subtomentosa</i> | Sweet Black-Eyed Susan |
| <i>Silphium terebinthinaceum</i> | Prairie Dock |
| <i>Solidago speciosa</i> | Showy Goldenrod |
| <i>Symphoricarum ericoides</i> | Heath Aster |
| <i>Symphoricarum laeve</i> | Smooth Blue Aster |
| <i>Symphoricarum novae-angliae</i> | New England Aster |
| <i>Tradescantia virginiana</i> | Common Spidervort |
| <i>Veronica stricta</i> | Hoary Vervain |
| <i>Vernonia spp.</i> | Ironweed (Various Mix) |
| <i>Veronicastrum virginicum</i> | Culvers Root |

FOR ALL SEED MIXES, PROVIDE EROSION MAT ON SLOPES AND AREAS OF WASH OUT TYP. INSTALL AND PREP PER MANUFACTURES SPECIFICATIONS.



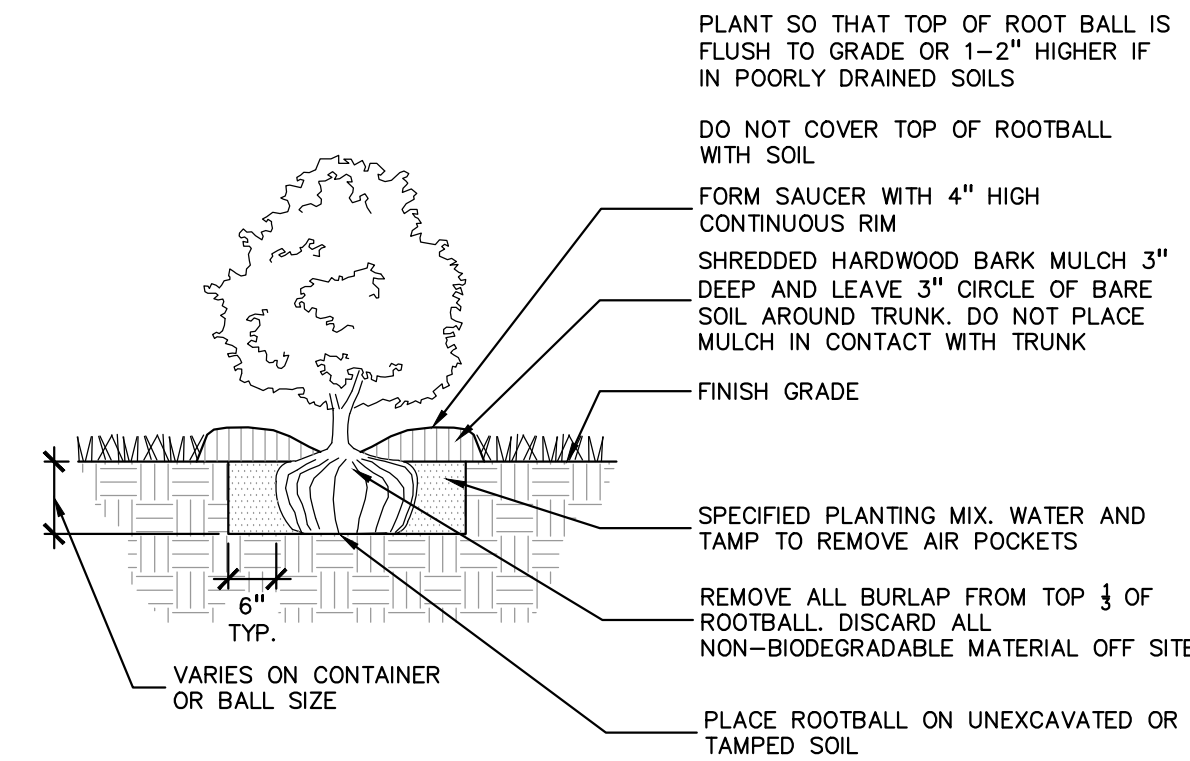
6 TRANSFORMER SCREENING DETAIL

SCALE: 1" = 3'-0"



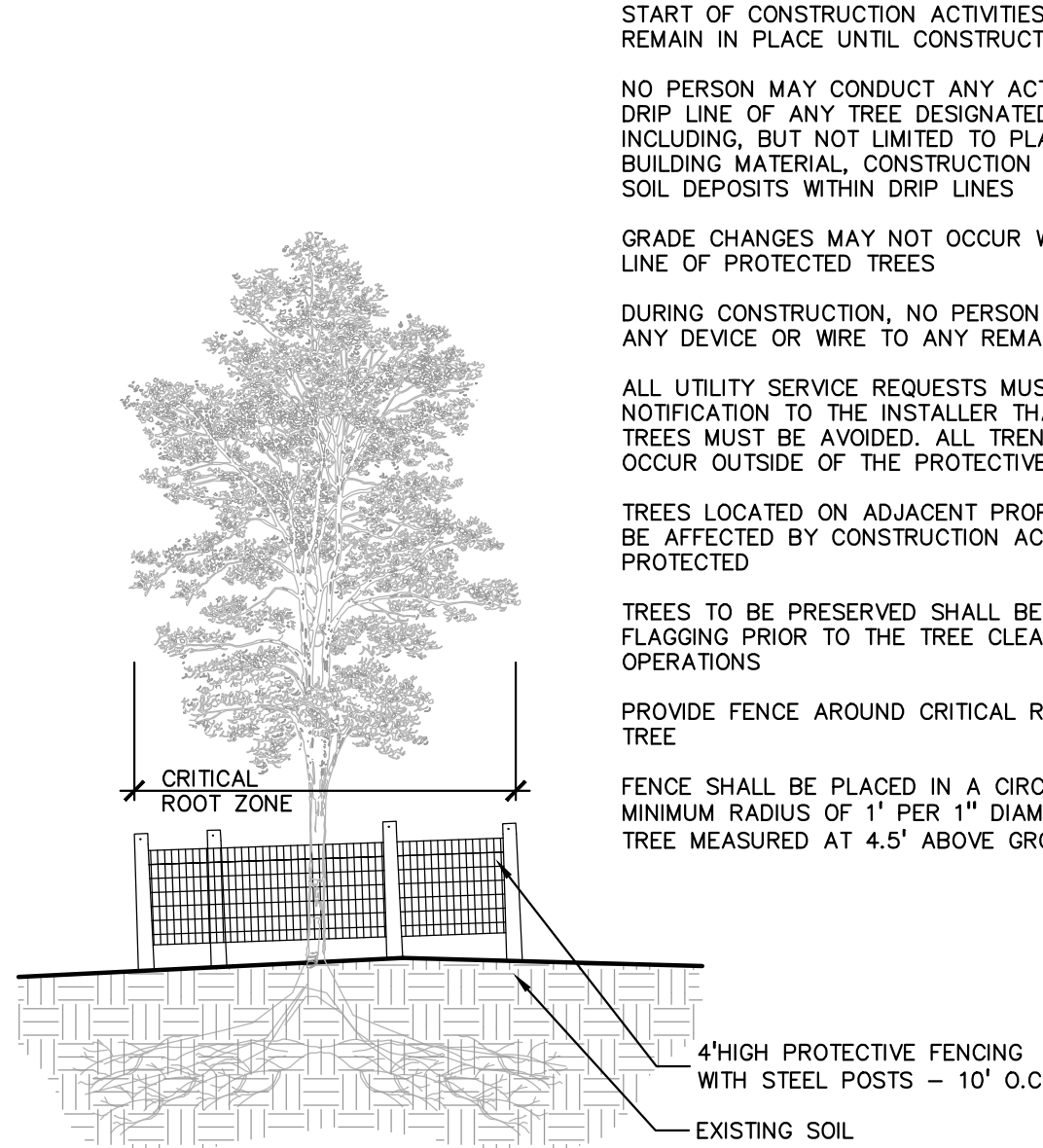
5 ALUMINUM EDGE DETAIL

SCALE: 1/2" = 1'-0"



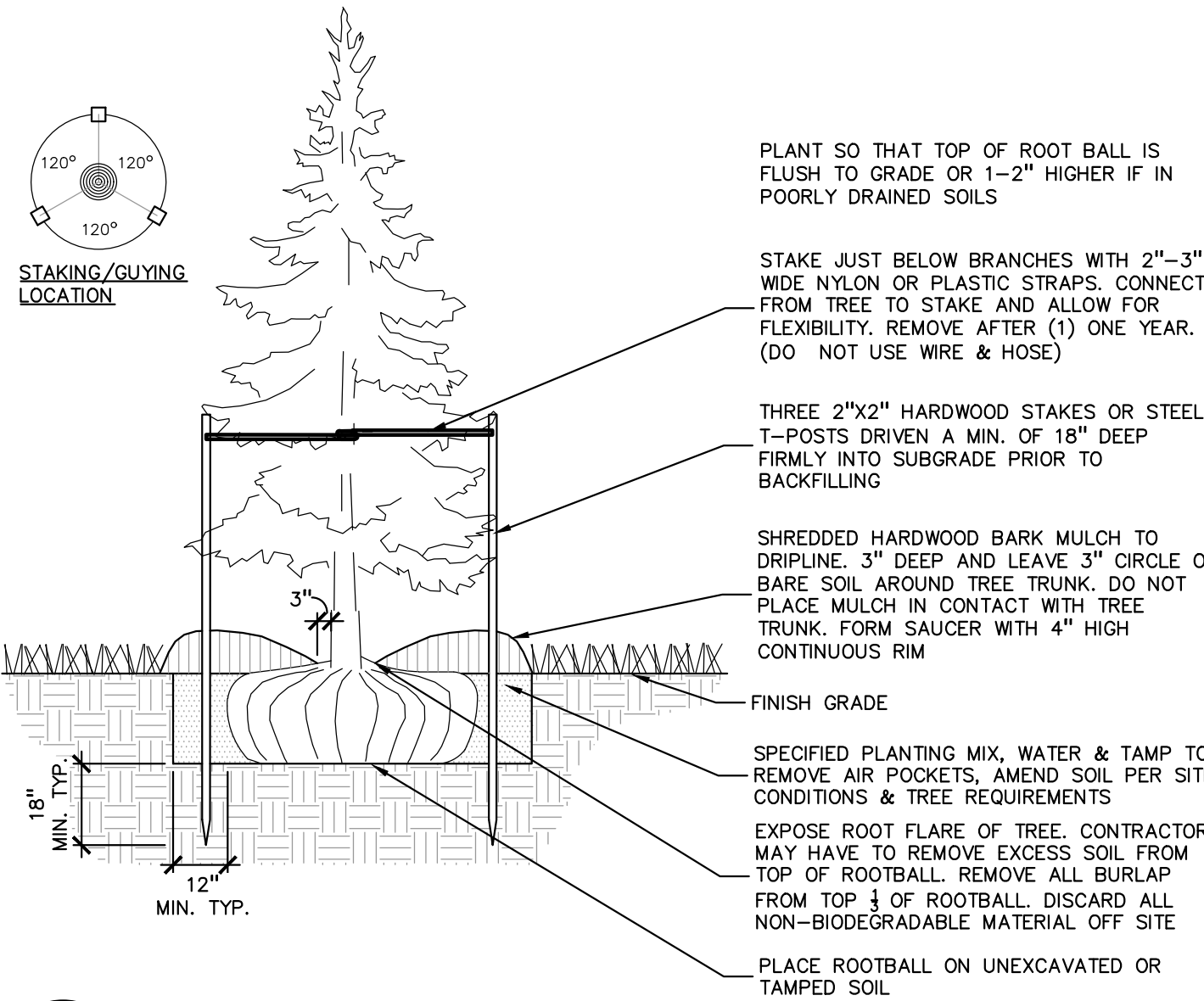
4 SHRUB PLANTING DETAIL

SCALE: 1" = 2'-0"



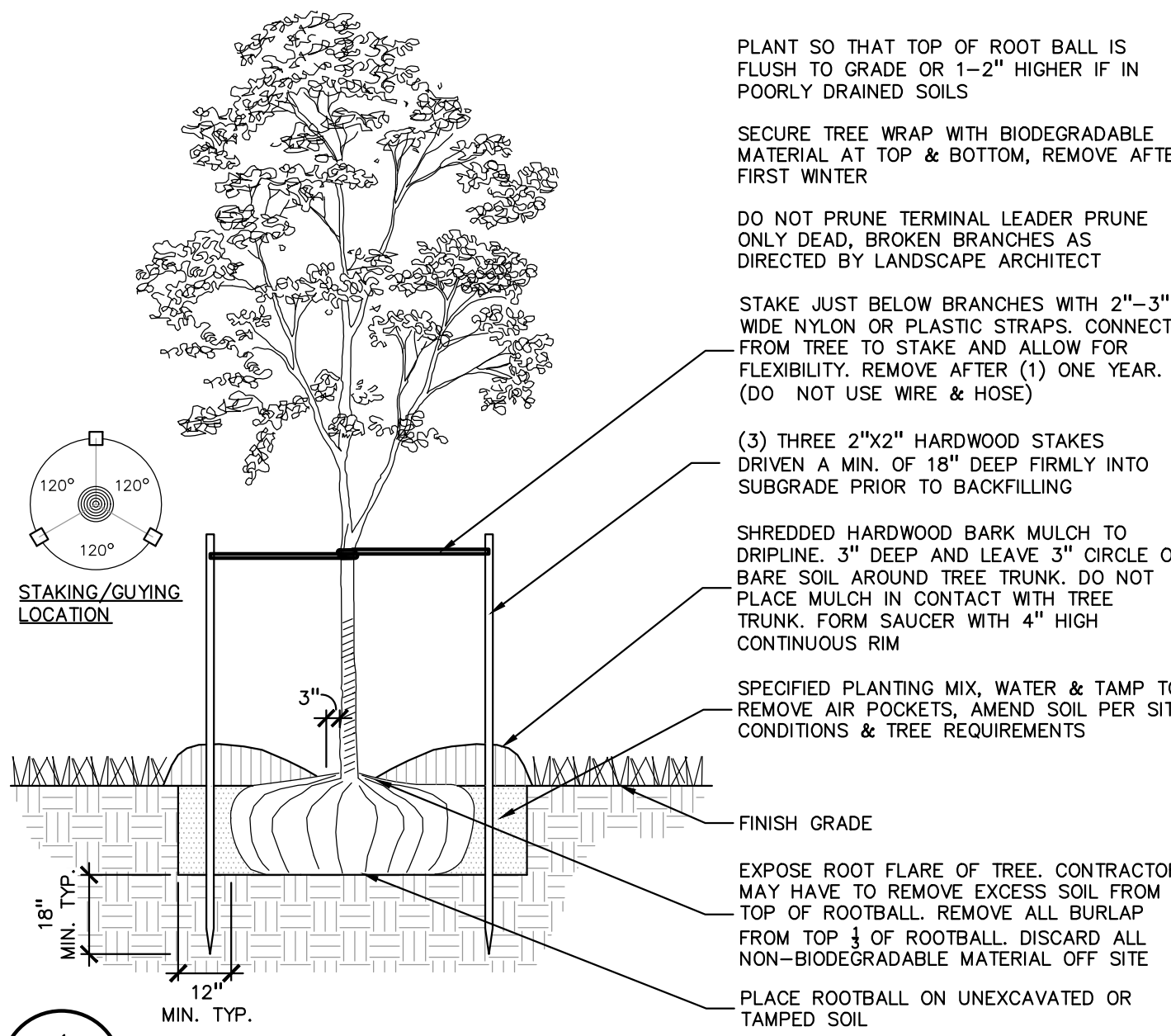
3 TREE PROTECTION DETAIL

SCALE: 1" = 3'-0"



2 EVERGREEN TREE PLANTING DETAIL

SCALE: 1" = 3'-0"



1 DECIDUOUS TREE PLANTING DETAIL

SCALE: 1" = 3'-0"

NOT FOR CONSTRUCTION



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CLIENT

GESTAMP
5800 SIBLEY ROAD
CHELSEA, MICHIGAN 48118

PROJECT TITLE

GESTAMP
5800 SIBLEY ROAD
CHELSEA, MICHIGAN 48118

| REVISIONS | |
|-----------|---------|
| SITE PLAN | 1/20/23 |

ORIGINAL ISSUE DATE:
JANUARY 20, 2023

DRAWING TITLE
**LANDSCAPE
DETAILS**

| | |
|-------------|-----------|
| PEA JOB NO. | 2022-0484 |
| P.M. | EI |
| DN. | BGG |
| DES. | JLE |

DRAWING NUMBER:

L-1.1

GENERAL LANDSCAPING REQUIREMENTS

| | |
|-------|--|
| 1.0 | GENERAL |
| 1.1 | SUMMARY |
| 1.1.1 | Includes But Not Limited To |
| 1. | General procedures and requirements for Site Work. |
| 2.0 | PRODUCTS — Not Used |
| 3.0 | EXECUTION |
| 3.1 | PREPARATION |
| 3.1.1 | Protection |
| 1. | Spillage: |
| A. | Avoid spillage by covering and securing loads when hauling on or adjacent to public streets or highways. |
| B. | Remove spillage and sweep, wash, or otherwise clean project, streets, and highways. |
| 2. | Erosion Control: |
| A. | Take precautions necessary to prevent erosion and transportation of soil downstream, to adjacent properties, and into on-site or off-site drainage systems. |
| B. | Develop, install, and maintain an erosion control plan if required by law. |
| C. | Repair and correct damage caused by erosion. |
| 3. | Existing Plants And Features: |
| A. | Do not damage tops, trunks, and roots of existing trees and shrubs on site which are intended to remain. |
| B. | Do not use heavy equipment within branch spread. Interfering branches may be removed only with permission of Landscape Architect. |
| C. | Do not damage other plants and features which are to remain. |
| 3.1.2 | If specified precautions are not taken or corrections and repairs made promptly, Owner may take such steps as may be deemed necessary and deduct costs of such from monies due to Contractor. Such action or lack of action on Owner's part does not relieve Contractor from responsibility for proper protection of the Work. |

END OF SECTION

LANDSCAPING PREPARATION

| | |
|--------|---|
| 1.0 | GENERAL |
| 1.1 | SUMMARY |
| 1.1.1 | Includes But Not Limited To |
| 1. | General landscape work requirements. |
| 1.2 | QUALITY ASSURANCE |
| 1.2.1 | Comply with all applicable local, state and federal requirements, regarding materials, methods of work, and disposal of excess and waste materials. |
| 1.2.2 | Obtain and pay for all required inspections, permits, and fees. |
| 1.2.3 | Provide notices required by governmental authorities. |
| 1.3 | PROJECT CONDITIONS |
| 1.3.1 | Locate and identify existing underground and overhead services and utilities within contract limit work areas. (Call Miss Dig: 1-800-482-7171 in Michigan). |
| 1.3.2 | Provide adequate means to protect utilities and services designated to remain. |
| 1.3.3 | Repair utilities damaged during site work operations at Subcontractor's expense. |
| 1.3.4 | When uncharted or incorrectly charted underground piping or other utilities and services are encountered during site work operations, notify the applicable utility company immediately to obtain procedure directions. Cooperate with the applicable utility company in maintaining active services in operation. |
| 1.3.5 | Locate, protect, and maintain benchmarks, monuments, control points and project engineering reference points. Re-establish disturbed or destroyed items at Subcontractor's expense. |
| 1.3.6 | Perform landscape work operations and the removal of debris and materials to assure minimum interference with streets, walks, and other adjacent facilities. |
| 1.3.7 | Obtain governing authorities' written permission when required to close or obstruct streets, walks and adjacent facilities. Provide alternate routes around closed or obstructed traffic ways when required by governing authorities. |
| 1.3.8 | Protect and maintain street lights, utility poles and services, traffic signal control boxes, curb boxes, valves and other services, except items designated for removal. |
| 1.3.9 | The General Contractor will occupy the premises and adjacent facilities during the entire period of construction. Perform landscape work operations to minimize conflicts and to facilitate General Contractor's use of the premises and conduct of his normal operations. |
| 1.3.10 | Perform landscape preparation work before commencing landscape construction. |
| 1.3.11 | Provide necessary barricades, coverings and protection to prevent damage to existing improvements indicated to remain. |
| 1.3.12 | Protect existing trees scheduled to remain against injury or damage including cutting, breaking or skinning of roots, trunks or branches, smothering by stockpiled construction materials, excavated materials or vehicular traffic within branch spread. |
| 2.0 | PRODUCTS |
| 2.1 | MATERIALS/EQUIPMENT |
| 2.1.1 | As selected by the General Contractor, except as indicated. |
| 1. | Tree protection: |
| A. | Wood fencing — Snow fencing 4' height. |
| B. | Posts — Steel fence post. |
| C. | Herbicide for lawn restoration — "Round-up" by Monsanto. |
| 3.0 | EXECUTION |
| 3.1 | EXISTING UTILITIES |
| 3.1.1 | Call "MISS DIG" 811 before construction begins. Information on the drawings related to existing utility lines and services is from the best sources presently available. All such information is furnished only for information and is not guaranteed. Excavate test pits as required to determine exact locations of existing utilities. |
| 3.2 | CLEARING |
| 3.2.1 | Locate and exactly identify trees and improvements indicated to remain. |
| 3.2.2 | Fencing/soil erosion fence is to be installed. |
| 3.2.3 | Any equipment that compacts the soil in the areas of existing trees is not allowed. |
| 3.2.4 | Protect trees scheduled to remain with 4' high snow fence per plans. |

| | |
|-------|---|
| 3.2.5 | No vehicular traffic is permitted beneath drip line at any time. All lawn areas are to be worked by hand. |
| 3.2.6 | Clear and grub areas within contract limits as required for site access and execution of the work. |
| 3.2.7 | Remove trees, plants, undergrowth, other vegetation and debris, except items indicated to remain. |
| 3.2.8 | Treat planting and lawn areas as required with herbicide per manufacturer recommendations to kill existing vegetation prior to planting, seeding and sodding. |
| 3.2.9 | Remove stumps and roots to a clear depth of 36" below subgrades. Remove stumps and roots to their full depth within 50" of underground structures, utility lines, footings, and paved areas. |
| 3.3 | DISPOSAL OF WASTE MATERIALS |
| 3.3.1 | Stockpile, haul from site and legally dispose of waste materials and debris. Accumulation is not permitted. |
| 3.3.2 | Maintain disposal routes, clear, clean and free of debris. |
| 3.3.3 | On site burning of combustible cleared materials is not permitted. |
| 3.3.4 | Upon completion of landscape preparation work, clean areas within contract limits, remove tools and equipment. Site to be clear, clean and free of materials and debris and suitable for site work operations. |
| 3.3.5 | Materials, items and equipment not scheduled for reinstallation or salvaged for the General Contractor are the property of the Landscape Contractor. Remove cleared materials from the site as the work progresses. Storage and sale of Landscape Contractors salvage items on site is not permitted. |

END OF SECTION

FINISH GRADING AND TOPSOIL PLACEMENT

| | |
|-------|---|
| 1.0 | GENERAL |
| 1.1 | SUMMARY |
| 1.1.1 | Includes But Not Limited To |
| 1. | Perform finish grading and topsoil placement required to prepare site for installation of landscaping as described in Contract Documents. |
| 1.2 | SUBMITTALS |
| 1.2.1 | Quality Assurance |
| 1. | Submit test on imported topsoil and on site stockpiled topsoil by independent licenatree testing laboratory prior to use. Imported topsoil shall meet minimum specified requirements and be approved by Landscape Architect prior to use. |
| 2. | Provide and pay for testing and inspection during topsoil operations. Laboratory, inspection services, and Soils Engineer shall be acceptable to the Landscape Architect. |
| 3. | Submit report stating location of source of imported topsoil and account of recent use. |
| 4. | Test for pH factor, mechanical analysis, and percentage of organic content. |
| 5. | Submit test reports to General Contractor. |
| 6. | Sub-Contractor, or testing agency to make recommendations on type of quantity of additives required to establish satisfactory pH factor and supply of nutrients to bring nutrients to satisfactory level for planting. |
| 1.3 | QUALITY ASSURANCE |
| 1.3.1 | Participate in pre-installation meeting with Landscape Architect. |
| 1.4 | PROJECT CONDITIONS |
| 1.4.1 | Also see Landscape Preparation Section. |
| 1.4.2 | Protect existing trees, plants, lawns, and other features designated to remain as part of the landscaping work. |
| 1.4.3 | Promptly repair damage to adjacent facilities caused by topsoil operations. Cost of repair at Subcontractor's expense. |
| 1.4.4 | Promptly notify the General Contractor and Landscape Architect of unexpected subsurface conditions. |
| 2.0 | PRODUCTS |
| 2.1 | MATERIALS |
| 2.1.1 | Topsoil: supplied and stockpiled topsoil proposed for use must meet the testing criteria results specified. Topsoil must conform to adjustments and recommendations from the soil test and by the Landscape Architect. |
| 2.1.2 | Existing topsoil: existing topsoil on on-site stockpile shall be utilized. All processing, cleaning, and preparation of this stored topsoil to render it acceptable for use is the responsibility of the Subcontractor. |
| 2.1.3 | Provide additional topsoil as required to complete the job. Topsoil must meet testing criteria results specified. |
| 2.1.4 | All processing, cleaning, and preparation of this supplied topsoil to render it acceptable for use is the responsibility of the Subcontractor. |
| 2.1.5 | Supplied and stockpiled topsoil, shall be fertile, friable, dark in color and representative of local productive soil. Capable of sustaining vigorous plant growth and free of clay lumps, subsoil, noxious weeds or other foreign matter such as stones of 1" in any dimension, roots, sticks, and other extraneous material: not frozen or muddy. PH of soil range between 5.0 and 7.5. |
| 2.1.6 | Soil shall not contain more than 2 percent of particles measuring over 2.0 mm in largest size |
| 2.1.7 | Prepared topsoil shall be used in planting mixtures as specified in Trees, Plants, and Ground Cover, all beds prepared as specified. |
| 3.0 | EXECUTION |
| 3.1 | EXAMINATION |
| 3.1.1 | Do not commence work of this Section until grading tolerances specified are met. |
| 3.2 | PREPARATION |
| 3.2.2 | Prior to grading, dig out weeds from planting areas by their roots and remove from site. Also, placing top soil in landscape areas, remove rocks larger than 1 inch in any dimension and foreign matter such as building rubble, wire, cans, sticks, concrete, etc. |
| 3.2.3 | Prior to placing topsoil, remove any imported base material present in planting areas down to natural subgrade or other material acceptable to Landscape Architect. |
| 3.3 | PERFORMANCE |
| 3.3.1 | Site Tolerances |
| 1. | Total Topsoil Depth — |
| A. | Lawn And Groundcover Planting Areas — 3 inches minimum compacted. |
| B. | Shrub Planting Areas — 12 inches minimum throughout entire shrub bed area. |
| 2. | Elevation of topsoil relative to walks or curbs — |
| A. | Seeded Lawn Areas — 1/4 inch below |
| B. | Sodded Lawn Areas — 1 1/2 inches below |
| C. | Shrub And Ground Cover Areas — 3 inches below |

| | |
|-------|---|
| 3.3.2 | Do not expose or damage existing shrub or tree roots. |
| 3.3.3 | Redistribute approved existing top soil stored on site as a result of rough grading. Remove organic material, rocks and clods greater than 1 inch in any dimension, and other objectionable materials. Provide additional approved imported topsoil required for specified topsoil depth and bring surface to specified elevation relative to walk or curb. |

| | |
|--------|--|
| 3.3.4 | For trees, shrubs, ground cover beds and plant mix for beds see Exterior Plants section. |
| 3.3.5 | Provide earth berming where indicated on Plans. |
| 3.3.6 | Berming to be free flowing in shape and design, as indicated, and to blend into existing grades gradually so that the toe of slope is not readily visible. Landscape Architect or General Contractor's representative to verify final contouring before planting. |
| 3.3.7 | Regardless of finish grading elevations indicated, it is intended that grading be such that proper drainage of surface water away from buildings will occur and that no low areas are created to allow ponding. Subcontractor to consult the General Contractor and Landscape Architect regarding variations in grade elevations before rough grading is completed. |
| 3.3.8 | Slope grade away from building for 12 feet minimum from walls at slope of 1/2 inch per ft minimum unless otherwise noted. High point of finish grade at building foundation shall be 6 inches minimum below finish floor level. Direct surface drainage in manner indicated on Drawings by molding surface to facilitate natural run-off of water. Fill low spots and pockets with top soil and grade to drain properly. |
| 3.3.9 | Rake all topsoil to remove clods, rocks, weeds, and debris. |
| 3.3.10 | Grade and shape area to bring surface to true uniform planes free from irregularities and to provide proper drainage and slopes per plans. |
| 3.4 | CLEANING |
| 3.4.1 | Upon completion of topsoil operations, clean areas within contract limits, remove tools and equipment, and haul all excess topsoil off-site. Site shall be clear, clean, free of debris, and suitable for site work operations. |

END OF SECTION

LAWN SEEDING

| 1.0 | GENERAL | | | | | | | | | | | | | | | | | | |
|--|---|--------|-------------|-----------|------------|--------|-------------|--------------------|-----|-----|-----|-------------------------------|-----|-----|-----|-----------------------------|-----|-----|-----|
| 1.1 | SUMMARY | | | | | | | | | | | | | | | | | | |
| 1.1.1 | Includes But Not Limited To | | | | | | | | | | | | | | | | | | |
| 1. | Furnish and install seeded lawn as described in Contract Documents. | | | | | | | | | | | | | | | | | | |
| 1.2 | SUBMITTALS | | | | | | | | | | | | | | | | | | |
| 1.2.1 | Submit seed vendor's certification for required grass seed mixture, indicating percentage by weight, and percentage of purity, germination, and weed seed for each grass species. | | | | | | | | | | | | | | | | | | |
| 1.3 | DELIVERY AND STORAGE | | | | | | | | | | | | | | | | | | |
| 1.3.1 | Deliver seed and fertilizer materials in original unopened containers, showing weight, analysis, and name of manufacturer. Store in a manner to prevent wetting and deterioration. | | | | | | | | | | | | | | | | | | |
| 1.4 | PROJECT CONDITIONS | | | | | | | | | | | | | | | | | | |
| 1.4.1 | See landscape preparation section. | | | | | | | | | | | | | | | | | | |
| 1.4.2 | Work notification: Notify Landscape Architect of General Contractor's representative at least seven (7) working days prior to start of seeding operation. | | | | | | | | | | | | | | | | | | |
| 1.4.3 | Protect existing utilities, paving, and other facilities from damage caused by seeding operations. | | | | | | | | | | | | | | | | | | |
| 1.4.4 | Perform seeding work only after planting and other work affecting ground surface has been completed. | | | | | | | | | | | | | | | | | | |
| 1.4.5 | Provide hose and lawn watering equipment as required. | | | | | | | | | | | | | | | | | | |
| 1.4.6 | The irrigation system will be installed prior to seeding. Locate, protect, and maintain the irrigation system during seeding operations. Repair irrigation system components damaged during seeding operations at the Sub-Contractor's expense. | | | | | | | | | | | | | | | | | | |
| 1.5 | WARRANTY | | | | | | | | | | | | | | | | | | |
| 1.5.1 | See Landscape Maintenance and Warranty Section | | | | | | | | | | | | | | | | | | |
| 2.0 | PRODUCTS | | | | | | | | | | | | | | | | | | |
| 2.1 | MATERIALS | | | | | | | | | | | | | | | | | | |
| 2.1.1 | Topsoil for Seeded Areas: See Topsoil Placement and Drawings. | | | | | | | | | | | | | | | | | | |
| 2.1.2 | Lawn seeded areas: Fresh, clean and new crop seed mixture. Mixed by approved methods. | | | | | | | | | | | | | | | | | | |
| 2.1.3 | Seed mixture composed of the following varieties, mixed to the specified proportions by weight and tested to minimum percentages of purity and germination. | | | | | | | | | | | | | | | | | | |
| 2.1.4 | Irrigated Lawn Seed Mixture proportioned by volume as indicated below: | | | | | | | | | | | | | | | | | | |
| <table><tr><th>SEED TYPE</th><th>PROPORTION</th><th>PURITY</th><th>GERMINATION</th></tr><tr><td>Kentucky Bluegrass</td><td>50%</td><td>90%</td><td>75%</td></tr><tr><td>Penn Lawn Fescue</td><td>30%</td><td>95%</td><td>80%</td></tr><tr><td>Annual Ryegrass</td><td>20%</td><td>95%</td><td>80%</td></tr></table> | | | | SEED TYPE | PROPORTION | PURITY | GERMINATION | Kentucky Bluegrass | 50% | 90% | 75% | Penn Lawn Fescue | 30% | 95% | 80% | Annual Ryegrass | 20% | 95% | 80% |
| SEED TYPE | PROPORTION | PURITY | GERMINATION | | | | | | | | | | | | | | | | |
| Kentucky Bluegrass | 50% | 90% | 75% | | | | | | | | | | | | | | | | |
| Penn Lawn Fescue | 30% | 95% | 80% | | | | | | | | | | | | | | | | |
| Annual Ryegrass | 20% | 95% | 80% | | | | | | | | | | | | | | | | |
| 2.1.5 | Non-Irrigated Seed Mixture proportioned by volume as indicated below: | | | | | | | | | | | | | | | | | | |
| <table><tr><th>SEED TYPE</th><th>PROPORTION</th><th>PURITY</th><th>GERMINATION</th></tr><tr><td>Penn Lawn Fescue</td><td>60%</td><td>90%</td><td>85%</td></tr><tr><td>Kentucky 28# Common Bluegrass</td><td>20%</td><td>90%</td><td>90%</td></tr><tr><td>Pennfine Perennial Ryegrass</td><td>20%</td><td>90%</td><td>90%</td></tr></table> | | | | SEED TYPE | PROPORTION | PURITY | GERMINATION | Penn Lawn Fescue | 60% | 90% | 85% | Kentucky 28# Common Bluegrass | 20% | 90% | 90% | Pennfine Perennial Ryegrass | 20% | 90% | 90% |
| SEED TYPE | PROPORTION | PURITY | GERMINATION | | | | | | | | | | | | | | | | |
| Penn Lawn Fescue | 60% | 90% | 85% | | | | | | | | | | | | | | | | |
| Kentucky 28# Common Bluegrass | 20% | 90% | 90% | | | | | | | | | | | | | | | | |
| Pennfine Perennial Ryegrass | 20% | 90% | 90% | | | | | | | | | | | | | | | | |
| 2.1.6 | Fertilizer: granular, non burning product composed of not less than 50% organic slow acting, guaranteed analysis professional fertilizer. | | | | | | | | | | | | | | | | | | |
| 2.1.7 | Ground Limestone: Used if required by soil test report: Containing not less than 85% of total carbonates and ground to such fineness that 50% will pass through a 100 mesh sieve and 90% will pass through a 20X mesh sieve. | | | | | | | | | | | | | | | | | | |
| 2.1.8 | Straw Mulch: Used in crimping process only. Clean oat or wheat straw well seasoned before baling, free from mature seed-bearing status, or roots of prohibited or noxious weeds. | | | | | | | | | | | | | | | | | | |
| 2.1.9 | Water: Free of substance harmful to seed growth. Hoses or other methods to transpiration furnished by Sub Contractor. | | | | | | | | | | | | | | | | | | |
| 3.0 | EXECUTION | | | | | | | | | | | | | | | | | | |
| 3.1 | INSPECTION | | | | | | | | | | | | | | | | | | |
| 3.1.1 | Landscape Architect or General Contractor's representative must approve finish surfaces, grades, topsoil quality and depth. Do not start seeding work until unsatisfactory conditions are corrected. | | | | | | | | | | | | | | | | | | |
| 3.2 | PREPARATION | | | | | | | | | | | | | | | | | | |
| 3.2.1 | SURFACE PREPARATION | | | | | | | | | | | | | | | | | | |
| 1. | Seven days maximum prior to seeding, — | | | | | | | | | | | | | | | | | | |
| A. | Treat Lawn areas if required with "Round-Up" by Monsanto, per label direction to kill existing vegetation prior to seeding. | | | | | | | | | | | | | | | | | | |
| B. | Loosen topsoil areas to minimum depth of 4", dampen thoroughly, and cultivate to properly break up clods and lumps. | | | | | | | | | | | | | | | | | | |
| C. | Rake area to remove clods, rocks, weeds, roots, debris, and stones over 1" in any dimension. | | | | | | | | | | | | | | | | | | |
| D. | Grade lawn areas to smooth, free draining even surface with a loose, moderately coarse texture. Roll and rake, remove ridges, and fill depressions as required to drain. | | | | | | | | | | | | | | | | | | |
| E. | Apply limestone to supplied topsoil if required by soil test report at rate determined by the soil test, to adjust pH of topsoil to not less than 6.0 no more than 6.8. Distribute evenly by machine and incorporate thoroughly into topsoil. | | | | | | | | | | | | | | | | | | |
| F. | Apply fertilizers to indicated turf areas at a rate equal to 1 lb. of actual nitrogen 1,000 sq. ft. (43 lbs / acre). | | | | | | | | | | | | | | | | | | |
| G. | Apply fertilizers by mechanical rotary or drop type distributor, thoroughly and evenly incorporated with soil to a depth of 1" by approved method. Fertilize areas inaccessible to power equipment with hand tools and incorporate into soil. | | | | | | | | | | | | | | | | | | |

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| 3.2.2 | Ground Limestone: Used if required by soil test report: Containing not less than 85% of total carbonates and ground to such fineness that 50% will pass through a 100 mesh sieve and 90% will pass through a 20X mesh sieve. |
| 3.2.3 | Soil shall not contain more than 2 percent of particles measuring over 2.0 mm in largest size |
| 3.2.4 | Prepared topsoil shall be used in planting mixtures as specified in Trees, Plants, and Ground Cover, all beds prepared as specified. |
| 3.3 | EXECUTION |
| 3.1 | EXAMINATION |
| 3.1.1 | Do not commence work of this Section until grading tolerances specified are met. |
| 3.2 | PREPARATION |
| 3.2.1 | SURFACE PREPARATION |
| 1. | Seven days maximum prior to seeding, — |
| A. | Treat Lawn areas if required with "Round-Up" by Monsanto, per label direction to kill existing vegetation prior to seeding. |
| B. | Loosen topsoil areas to minimum depth of 4", dampen thoroughly, and cultivate to properly break up clods and lumps. |
| C. | Rake area to remove clods, rocks, weeds, roots, debris, and stones over 1" in any dimension. |
| D. | Grade lawn areas to smooth, free draining even surface with a loose, moderately coarse texture. Roll and rake, remove ridges, and fill depressions as required to drain. |
| E. | Apply limestone to supplied topsoil if required by soil test report at rate determined by the soil test, to adjust pH of topsoil to not less than 6.0 no more than 6.8. Distribute evenly by machine and incorporate thoroughly into topsoil. |
| F. | Apply fertilizers to indicated turf areas at a rate equal to 1 lb. of actual nitrogen 1,000 sq. ft. (43 lbs / acre). |
| G. | Apply fertilizers by mechanical rotary or drop type distributor, thoroughly and evenly incorporated with soil to a depth of 1" by approved method. Fertilize areas inaccessible to power equipment with hand tools and incorporate into soil. |

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| H. | After lawn areas have been prepared, take no heavy objects over them except lawn rollers. |
| I. | After preparation of lawn areas and with topsoil in semi-dry condition, roll lawn planting areas in two directions at approximately right angles with water ballast roller weighing 100 to 300 lbs according to soil type. |
| J. | Rake or scarify and cut or fill irregularities that develop as required until area is true and uniform, free from lumps, depressions, and irregularities. |
| K. | Restore prepared areas to specified condition if eroded, settled or otherwise disturbed after fine grading and prior to seeding. |
| 3.3 | INSTALLATION |
| 3.3.1 | SEEDING |
| 1. | Seed lawns only between April 1, and June 1, and fall seeding between August 15, and October 15, or at such other times acceptable to Landscape Architect. |
| 2. | Seed immediately after preparation of bed. Seed indicated areas within contract limits and areas adjoining contract limits disturbed as a result of construction operations. |
| 3. | Perform seeding operations when the soil is dry and when the winds do not exceed five(5) miles per hour velocity. |
| 4. | Apply seed with a rotary or drop type distributor. Install seed evenly by sowing equal quantities in two (2) directions, at right angles to each other. |
| 5. | Sow seed at a rate of 300 lbs./acre. |
| 6. | After seeding, rake or drag surface of soil lightly to incorporate seed into top 1/8" of soil. Roll with light lawn roller. |
| 7. | Provide soil erosion planting mat where grade conditions required to stabilize the planting area. |

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| 3.3.2 | HYDRO-SEEDING |
| 1. | Hydro-seeding: The application of grass seed and a wood cellulose fiber mulch tinted green shall be accomplished in one operation by use of an approved spraying machine. |
| A. | Mixed seed, fertilizer, and wood cellulose fiber in required amount of water to produce a homogeneous slurry. Add wood cellulous fiber after seed, water, and fertilizer have been thoroughly mixed and apply at the rate of 200 pounds per acre dry weight. |
| B. | For hydro-seeding, wood cellulose fiber shall be used. Silva-Fiber Mulch by Weyerhaeuser Company, Tacoma, WA (800-443-9179). |
| C. | Hydraulically spray material on ground to form a uniform cover impregnated with grass seed. |
| D. | Immediately following application of slurry mix, make separate application of wood cellulose mulch at the rate of 1,000 pounds, dry weight, per acre. |
| E. | Apply cover so that rainfall or applied water will percolate to underlying soil. |
| 3.3.3 | MULCHING |
| 1. | Place straw mulch on seeded areas within 24—hours after seeding. |
| 2. | Place straw mulch uniformly in a continuous blanket at a rate of 2—1/2 tons per acre, or two (2) 50 lb. bales per 1,000 sq. ft. of area. A mechanical blower may be used for straw mulch application when acceptable to the Landscape Architect. |
| 3. | Crimp straw into soil by use of a "crimper". Two passes in alternate direction required. Alternative methods on areas too small for crimper must be approved by the Landscape Architect or Owner's Representative. |

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| 3.3.3 | ESTABUSH LAWN |
| 1. | Establish dense lawn of permanent grasses, free from lumps and depressions. Any area failing to show uniform germination to be reseeded; continue until dense lawn established. |
| 2. | Damage to seeded area resulting from erosion to be repaired by Sub Contractor. |
| 3. | In event Sub Contractor does not establish dense lawn during first germination period, return to project to re-fertilize and reseed to establish dense lawn. |
| 4. | Should the seeded lawn become largely weeds after germination, Sub Contractor is responsible to kill the weeds and reseed the proposed lawn areas to produce a dense turf, as specified. |
| 3.4 | CLEANING |
| 3.4.1 | Perform Cleaning during installation of the work and upon completion of the work to the approval of the Landscape Architect. Remove from site all excess materials, debris, and equipment. Repair damage resulting from seeding operations. |
| 3.5 | MAINTENANCE |
| 3.5.1 | See Landscape Maintenance and Warranty Section. |
| 3.6 | ACCEPTANCE |
| 3.6.1 | See Landscape Maintenance and Warranty Section. |

END OF SECTION

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| 1.0 | GENERAL |
| 1.1 | SUMMARY |
| 1.1.1 | Includes But Not Limited To |
| 1. | Furnish and install sodded lawn as described in Contract Documents. |
| 1.2 | QUALITY ASSURANCE |
| 1.2.1 | Sod: Comply with American Sod Producers Association (ASPA) classes of sod materials. |
| 1.3 | SUBMITTALS |
| 1.3.1 | Submit sod growers certification of grass species. Identify source location. |
| 1.3.2 | Submit manufacturer's certification of fertilizer. |
| 1.4 | DELIVERY, STORAGE, AND HANDLING |
| 1.4.1 | Cut, deliver, and install sod within 24 hour period. |
| 1.4.2 | Do not harvest or transport sod when moisture content may adversely affect sod survival. |
| 1.4.3 | Protect sod from sun, wind, and dehydration prior to installation. Do not tear, stretch, or drop sod during handling and installation. |
| 1.4.4 | Sod which dries out before installation will be rejected. |
| 1.5 | PROJECT CONDITIONS |
| 1.5.1 | See Landscape Preparation section. |
| 1.5.2 | Work notification: Notify Landscape Architect or General Contractor's representative at least seven (7) working days prior to start of sodding operation. |
| 1.5.3 | Protect existing utilities, paving, and other facilities from damage caused by sodding operations. |
| 1.5.4 | Perform sodding work only after planting and other work affecting ground surface has been completed. |
| 1.5.5 | Restrict traffic from lawn areas until grass is established. Erect signs and barriers as required. |

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| 1.5.6 | Provide hose and lawn watering equipment as required. |
| 1.5.7 | The irrigation system will be installed prior to sodding. Locate, protect, and maintain the irrigation system during sodding operations. Repair irrigation system components damaged during sodding operations at the Subcontractor's expense. |
| 1.6 | WARRANTY |
| 1.6.1 | See Landscape Maintenance and Warranty Section. |
| 2.0 | PRODUCTS |
| 2.1 | MATERIALS |
| 2.1.1 | Sod: An "approved" nursery grown blend of improved Kentucky Bluegrass varieties. |
| 2.1.2 | Sod containing Common Bermudagrass, Quackgrass, Johnsongrass, Poison Ivy, Nutssedge, Nimbelswill, Canada Thistle, Timothy, Bentgrass, Wild Garlic, Ground Ivy, Perennial Sorrel, or Bromeagrass weeds will not be acceptable. |
| 2.1.3 | Provide well rooted, healthy sod, free of diseases, nematodes and soil borne insects. Provide sod uniform in color, leaf texture, density, and free of weeds, undesirable grasses, stones, roots, thatch, and extraneous material; viable and capable of growth and development when planted. |
| 2.1.4 | Furnish sod, machine stripped in square pads or strips not more than 3'-0" long, uniformly 1" to 1-1/2" thick with clean cut edges. Mow sod before stripping. |
| 2.1.5 | Fertilizer: granular, non burning product composed of not less than 50% organic slow acting, guaranteed analysis professional fertilizer. |
| 2.1.6 | Type A: starter fertilizer containing 20% nitrogen, 12% phosphoric acid, and 8% potash by by weight or similar approved composition. |
| 2.1.7 | Ground Limestone: Used if required by soil test report: Containing not less than 85% of total carbonates and ground to such fineness that 50% will pass through a 100 mesh sieve and 90% will pass through a 20X mesh sieve. |
| 2.1.8 | Stakes: softwood, 3/4" x 8" long. |
| 2.1.9 | Water: Free of substance harmful to seed growth. Hoses or other methods to transpiration furnished by Sub Contractor. |
| 2.1.10 | Topsoil: see Topsoil Placement section. |
| 3.0 | EXECUTION |
| 3.1 | INSPECTION |
| 3.1.1 | Landscape Architect or General Contractor's representative must approve finish surfaces, grades, topsoil quality and depth. Do not start sodding work until unsatisfactory conditions are corrected. |
| 3.2 | PREPARATION |
| 3.2.1 | Surface Preparation: |
| 1. | Seven days maximum prior to sodding, — |
| a. | Treat Lawn areas if required with herbicide per manufacturer recommendations to kill existing vegetation prior to sodding. |
| b. | Loosen topsoil areas to minimum depth of 4", dampen thoroughly, and cultivate to properly break up clods and lumps. |
| c. | Rake area to remove clods, rocks, weeds, roots, debris, and stones over 1" in any dimension. |
| d. | Grade lawn areas to smooth, free draining even surface with a loose, moderately coarse texture. Roll and rake, remove ridges, and fill depressions as required to drain. |
| e. | Apply limestone to supplied topsoil if required by soil test report at rate determined by the soil test, to adjust pH of topsoil to not less than 6.0 no more than 6.8. Distribute evenly by machine and incorporate thoroughly into topsoil. |
| f. | Apply fertilizers to indicated turf areas at a rate equal to 1 lb. of actual nitrogen 1,000 sq. ft. (43 lbs / acre). |
| g. | Apply fertilizers by mechanical rotary or drop type distributor, thoroughly and evenly incorporated with soil to a depth of 1" by approved method. Fertilize areas inaccessible to power equipment with hand tools and incorporate into soil. |
| h. | After lawn areas have been prepared, take no heavy objects over them except lawn rollers. |
| i. | After preparation of lawn areas and with topsoil in semi-dry condition, roll lawn planting areas in two directions at approximately right angles with water ballast roller weighing 100 to 300 lbs. |
| j. | Rake or scarify and cut or fill irregularities that develop as required until area is true and uniform, free from lumps, depressions, and irregularities. |
| k. | Restore prepared areas to specified condition if eroded, settled or otherwise disturbed after fine grading and prior to sodding. |
| l. | Dampen dry soil prior to sodding. |

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| 3.3 | INSTALLATION |
| 3.3.1 | Sodding: |
| 1. | Lay sod to form a solid mass with tightly fitted joints. Butt ends and sides of sod strips. Do not overlay edges. Stagger strips to offset joints in adjacent course. Remove excess sod to avoid othering of adjacent grass. Provide sod pad top flush with adjacent curbs, sidewalks, drains, and seeded areas. |
| 2. | Do not lay dormant sod or install sod on saturated, frozen soil. |
| 3. | Install initial row of sod in a straight line, beginning at the bottom of slopes, perpendicular to direction of the sloped area. Place subsequent rows parallel to and lightly against previously installed row. |
| 4. | Peg sod on slopes greater than 3 to 1 or in centerline of swales to prevent slippage at a rate of 2 stakes per yard of sod. |
| 5. | Water sod thoroughly with a fine spray immediately after laying to obtain moisture penetration through sod into top 4 inches of topsoil. |
| 6. | Roll with light lawn roller in two directions perpendicular to each other to ensure contact with sub grade. |
| 7. | Install sod at indicated areas within contract limits and areas adjoining contract limits disturbed as a result of construction operations. |
| 8. | Damage to sodded area resulting from erosion to be repaired by Subcontractor. |
| 3.4 | CLEANING |
| 3.4.1 | Perform Cleaning during installation of the work and upon completion of the work to the approval of the Landscape Architect. Remove from site all excess materials, debris, and equipment. Repair damage resulting from sodding operations. |
| 3.5 | MAINTENANCE |
| 3.5.1 | See Landscape Maintenance and Warranty Section. |
| 3.6 | ACCEPTANCE |
| 3.6.1 | See Landscape Maintenance and Warranty Section. |

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| END OF SECTION |
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CAUTION!!!
THE LOCATIONS AND ELEVATIONS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS DRAWING ARE ONLY APPROXIMATE. THE CONTRACTOR SHALL BE EXCLUSIVELY RESPONSIBLE FOR DETERMINING THE EXACT UTILITY LOCATIONS AND ELEVATIONS PRIOR TO THE START OF CONSTRUCTION.

CLIENT

GESTAMP
5800 SIBLEY ROAD
CHELSEA, MICHIGAN 48118

PROJECT TITLE

GESTAMP
5800 SIBLEY ROAD
CHELSEA, MICHIGAN 48118

REVISIONS

| | |
|---------------------------|----------|
| SITE PLAN | 10/31/22 |
| REVISED PER CITY COMMENTS | 11/22/22 |
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ORIGINAL ISSUE DATE:
OCTOBER 31, 2022

DRAWING TITLE

LANDSCAPE SPECIFICATIONS

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|-----------------|-----------|
| PEA JOB NO. | 2022-0484 |
| P.M. | EI |
| DN. | BGG |
| DES. | JLE |
| DRAWING NUMBER: | |

| | |
|-----------------|---|
| EXTERIOR PLANTS | |
| 1.0 | GENERAL |
| 1.1 | SUMMARY |
| 1.1.1 | Includes But Not Limited To |
| 1.2 | 1. Furnish and install landscaping plants as described in Contract Documents. |
| 1.2 | QUALITY ASSURANCE |
| 1.2.1 | Plant names indicated, comply with "Standardized Plant Names" as adopted by the latest edition of the American Joint Committee of Horticultural Nomenclature. Names of varieties not listed conform generally with names accepted by the nursery trade. Provide stock true to botanical name and legibly tagged. |
| 1.2.2 | Comply with sizing and grading standards of the latest edition of "American Standard for Nursery Stock". A plant shall be dimensioned as it stands in its natural position. |
| 1.2.3 | All plants shall be nursery grown under climatic conditions similar to those in the locality of the project for a minimum of two years. |
| 1.2.4 | Stock furnished shall be at least the minimum size indicated. Larger stock is acceptable, at no additional charge. Larger plants shall not be cut back to size indicated. |
| 1.2.5 | Provide "specimen" plants with a special height, shape, or character of growth. Landscape Subcontractor is to tag specimen trees or shrubs at the source of supply. The Landscape Subcontractor shall inspect all plant material at source prior to Landscape Architect's approval. Landscape Subcontractor shall accompany Landscape Architect on final selection trip. The Landscape Architect will inspect specimen selections for suitability and adaptability to selected location. When specimen plants cannot be purchased locally, provide sufficient photographs of the proposed specimen plants for approval. |
| 1.2.6 | Plants may be inspected and approved at the place of growth for compliance with specification requirements for quality, size, and variety. |
| 1.2.7 | Approval of plant selection at the place of growth shall not impair the right of inspection and rejection upon delivery at the site or during progress of the work. |
| 1.2.8 | Provide percolation testing by filling plant pits with water and monitoring length of time for water to completely percolate into soil. Submit test results to Landscape Architect prior to starting work. |
| 1.2.9 | Before proceeding with work, check and verify dimensions and quantities. Report variations between Drawings and site to Landscape Architect before proceeding with work of this section. |
| 1.2.10 | Plant totals are for convenience only and are not guaranteed. Verify amounts shown on Drawings. All plantings indicated on Drawings are required unless indicated otherwise. |
| 1.3 | SUBMITTALS |
| 1.3.1 | Provide and pay for material testing. Testing agency shall be acceptable to the Landscape Architect. Provide the following data: |
| 1.3.2 | 1. The loss of weight by ignition and moisture absorption capacity shall be tested for peat moss. |
| 1.3.2 | Submit the following material samples to Landscape Architect: |
| 1.3.3 | 1. Peat moss, shredded hardwood bark mulch, planting accessories, pre-emergent herbicides, and plant fertilizers. |
| 1.3.3 | Submit the following materials certification to Landscape Architect: |
| 1.3.3 | 1. Topsoil source and ph value, peat moss, and plant fertilizer. |
| 1.4 | DELIVERY, STORAGE, AND HANDLING |
| 1.4.1 | Deliver fertilizer materials in original, unopened and undamaged containers showing weight, analysis, and name of manufacturer. Store in manner to prevent wetting and deterioration. |
| 1.4.2 | Take all precautions customary in good trade practice in preparing plants for moving. Workmanship that fails to meet the highest standards will be rejected. |
| 1.4.3 | Spray deciduous plants in foliage with an approved "Anti-Desiccant" immediately after digging to prevent dehydration. |
| 1.4.4 | Dig, pack, transport, and handle plants with care to ensure protection against injury. |
| 1.4.5 | Inspection certificates required by law shall accompany each shipment invoice or order to stock on arrival. The certificate shall be filed with the General Contractor's representative. |
| 1.4.6 | Protect all plants from drying out. If plants cannot be planted immediately upon delivery, properly protect them with soil, shredded hardwood bark mulch, or in a manner acceptable to the General Contractor's representative. |
| 1.4.7 | Water heeled in plantings daily. |
| 1.4.8 | No plant shall be bound with rope or wire in a manner that could damage or break the branches. |
| 1.4.9 | Cover plants transported on open vehicles with a protective covering to prevent wind burn. |
| 1.4.10 | Frozen or muddy topsoil is not acceptable. |
| 1.5 | PROJECT CONDITIONS |
| 1.5.1 | See Landscape Preparation Section. |
| 1.5.2 | Work notification: notify Landscape Architect at least seven working days prior to installation of plant material. |
| 1.5.3 | Protect existing utilities, paving, and other facilities from damage caused by landscaping operations. |
| 1.5.4 | A complete list of plants, including a schedule of sizes, quantities, and other requirements is shown on the proposal form. In the event that quantity discrepancies or material omissions occur in the proposal form, Subcontractor shall notify the Landscape Architect during the proposal bidding process. |
| 1.5.5 | An irrigation system will be installed prior to planting. Locate, protect, and maintain the irrigation system during planting operations. Repair irrigation system components damaged during planting operations, at the Landscape Subcontractor's expense. |
| 1.5.6 | The Landscape Subcontractor shall inspect existing soil conditions in all areas of the site where his operations will take place, prior to the beginning of work. It is the responsibility of the Landscape Subcontractor to notify the General Contractor's representative and the Landscape Architect in writing of any conditions which could affect the survivability of plant material to be installed. |
| 1.6 | WARRANTY |
| 1.6.1 | See Landscape Maintenance and Warranty Standards. |
| 2.0 | PRODUCTS |
| 2.1 | MATERIALS |
| 2.1.1 | Plants: Provide plants typical of their species or variety with normal, densely developed branches and vigorous, fibrous root systems. Provide only sound, healthy, vigorous plants free from defects, disfiguring knots, unscaled injuries, frost cracks, abrasions of the bark, plant diseases, insect eggs, borers, and all forms of infestation. All plants shall have a fully developed form without voids and open spaces. |
| 2.1.2 | 1. Dig balled and burlapped plants with firm, natural balls of earth of sufficient diameter and depth to encompass the fibrous and feeding root system necessary for full recovery of the plant. Provide ball sizes complying with the latest edition of the "American Standard for Nursery Stock". Cracked or mushroomed balls are not acceptable. |
| 2.1.3 | 2. All trees shall have clay or clay loam balls. Trees with sand balls will be rejected. |
| 2.1.4 | 3. Provide tree species that mature at heights over 25'-0" with a single, main trunk. Trees that have the main trunk forming a "Y" shape are not acceptable. |

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| 2.1.5 | 4. Plants planted in rows shall be matched in form, (see specimen stock). |
| 2.1.6 | 5. Plants larger than those specified in the plant list may be used when acceptable to the Landscape Architect. |
| 2.1.7 | 6. No pruning wounds shall be present with a diameter of more than 1" and such wounds must show vigorous bark on all edges. |
| 2.1.8 | 7. Evergreen trees shall be unsheared and branched to the ground. |
| 2.1.9 | 8. Shrubs and small plants shall meet the requirements for spread and height indicated on the drawings. |
| 2.1.10 | 9. Plant materials shall be subject to approval by the Landscape Architect as to size, health, quality, and character. |
| 2.1.11 | 10. Bare root trees are not acceptable. |
| 2.1.12 | 11. Provide plant materials from licensed nursery or grower. |
| 2.1.2 | Bare root plants: dug with adequate fibrous roots, to be covered with a uniformly thick coating of mud by being puddled immediately after they are dug or packed in moist straw or peat moss. |
| 2.1.3 | Container grown stock: grown in a container for sufficient length of time for the root system to have developed to hold its soil together, firm, and whole. |
| 2.1.4 | 1. No plants shall be loose in the container. |
| 2.1.5 | 2. Container stock shall not be root bound. |
| 2.1.6 | 3. Single stemmed or thin plants will not be accepted. |
| 2.1.7 | 4. Side branches shall be generous, well twigged, and the plant as a whole well bushed to the ground. |
| 2.1.8 | 5. Plants shall be in a moist, vigorous condition, free from dead wood, bruises or other root or branch injuries. |
| 2.1.9 | 2.1.4 Collected stock consists of plants growing under natural conditions in soils and climate as exist at location to be planted, in locations lending themselves to proper collecting practices. Root system (balls) to be at least twenty-five (25%) percent larger than specified for nursery grown material. |
| 2.1.10 | 2.1.5 Specimen stock: all specimen designated plantings are to be nursery grown, fully developed, excellent quality, and typical example of the species. Plants designated to be planted in rows must be matched, symmetrical, and uniform in height, spread, caliper, and branching density. |
| 2.1.11 | 1. Matched plantings should be obtained from the same nursery and, preferably, from the same row or line. All specimen material will be approved by the Landscape Architect at nursery. |
| 2.1.12 | 2.1.6 Topsoil for planting mix: fertile, friable, natural topsoil of loamy character, without admixture of subsoil material, obtained from a well drained arable site, reasonably free from clay, lumps, coarse sands, stones, plants, roots, sticks, and other foreign materials with acidity range of between pH 6.0-6.8 for ericaceous plants. |
| 2.1.13 | 2.1.7 Peat moss: brown to black in color, weed and seed free granulated raw peat. |
| 2.1.14 | 1. Provide ASTM D2607 sphagnum peat moss with a ph below 6.0 for ericaceous plants. |
| 2.1.15 | 2.1.8 Planting mixture Type A - trees: standard planting backfill shall be a mixture of 1/2 native soil (excavated from plant pits), 1/3 topsoil, and 1/2 sand. Add fertilizer Type "A" and "B" to planting mixture per manufacturer's requirements. Follow planting details. |
| 2.1.16 | 2.1.9 Planting mixture Type B for perennial flowers, groundcover beds, and ericaceous plants: planting backfill shall be a mixture of 1/3 screened topsoil, 1/3 sand and 1/3 peat. All existing soil shall be excavated and removed. Adding fertilizer types "A" and "B" to mixture per manufacturer's requirements. Follow planting details. Planting mixture Type C for annual flower beds: same as Type "B". Submit a sample to the Landscape Architect for approval prior to installation. |
| 2.1.17 | 2.1.10 Plant fertilizer Type A to be "Drimanure" applied per manufacturer recommendations. |
| 2.1.18 | 2.1.11 Plant fertilizer Type B to be "14-14-14". Apply per manufacturer recommendations. |
| 2.1.19 | 2.1.12 Bone Meal - 5 lbs. per cubic yard of soil mixes. |
| 2.1.20 | 2.1.13 Lime to be ground dolomitic limestone, ninety-five percent (95%) passing through #100 mesh screen. Use to adjust soil pH only, under direction of Landscape Architect. |
| 2.1.21 | 2.1.14 Sand to be clean, coarse, ungraded conforming to ASTM-C-3 for fine aggregates. |
| 2.1.22 | 2.1.15 Anti-Desiccant: protective film emulsion providing a protective film over plant surfaces; permeable to permit transpiration. Mixed and applied in accordance with Manufacturer's instructions. |
| 2.1.23 | 2.1.16 Shredded bark mulch shall be double processed, dark shredded hardwood bark that is clean, free of debris and sticks. Materials shall be uniform in size, shape, and texture. Submit samples to Landscape Architect for approval prior to installation. Install mulch to finish grade, level smooth, without ridges, humps, or depressions. |
| 2.1.24 | 2.1.17 Water: free of substances harmful to plant growth. Hoses or other methods of transportation shall be furnished by Sub Contractor. |
| 2.1.25 | 2.1.18 Stakes for staking : (3) Three Hardwood, 2" x 2" x 8'-0" long. Driven a min. of 18" deep, firmly into subgrade prior to backfilling. Stakes for guying: Hardwood, 2" x 2" x 36" long. |
| 2.1.26 | 2.1.19 Guying/staking material: With 2"-3" wide fabric straps, connect from tree to stake. Remove after (1) year, allow for flexibility (do not use wire & hose). |
| 2.1.27 | 2.1.20 Tree wrap: standard waterproofed tree wrapping paper, 2-1/2" wide, made of 2 layers of crepe kraft paper weighing not less than 30 lbs. per ream, cemented together with asphalt. Secure tree wrap with biodegradable material at top and bottom. Remove after first winter. |
| 2.1.28 | 2.1.21 Twine: two-ply jute material. |
| 2.1.29 | 2.2 MEASUREMENTS |
| 2.1.30 | 2.2.1 Measure height and spread of specimen plant materials with branches in their normal positions as indicated on Drawings or Plant List. |
| 2.1.31 | 2.2.2 The measurements for height shall be taken from the ground level to the average height of the top of the plant and not the longest branch. |
| 2.1.32 | 2.2.3 Measurement should be average of plant, not greatest diameter. For example, plant measuring 15 inches in widest direction and 9 inches in narrowest direction would be classified as 12 inch stock. |
| 2.1.33 | 2.2.4 Plants properly trimmed and transplanted should measure same in every direction. |
| 2.1.34 | 2.2.5 Measure caliper of trees 6 inches above surface of ground. |
| 2.1.35 | 2.2.6 Where caliper or other dimensions of plant materials are omitted from Plant List, plant materials shall be normal stock for type listed. |
| 2.1.36 | 2.2.7 Plant materials larger than those specified may be supplied, with prior written approval of Landscape Architect, and: |
| 2.1.37 | 1. If complying with Contract Document requirements in all other respects. |
| 2.1.38 | 2. If at no additional cost to Owner. |
| 2.1.39 | 3. If sizes of roots or balls are increased proportionately. |
| 2.1.40 | 2.2.8 The height of the trees, specified by height, measured from the crown of the roots to the top of the top branch, shall not be less than the minimum size designated on the drawings. |
| 2.1.41 | 3.0 EXECUTION |
| 2.1.42 | 3.1 INSPECTION |
| 2.1.43 | 3.1.1 Landscape Architect or General Contractor's representative must approve proposed planting areas and conditions of installation. Do not start planting work until unsatisfactory conditions are corrected. |
| 2.1.44 | 3.1.2 Individual plant locations shall be staked on the project site by the |

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| 3.1.3 | Landscape Contractor and approved by the Landscape Architect before any planting pits are dug. The Landscape Architect reserves the right to adjust plant material locations to meet field conditions, without additional cost to the General Contractor / Owner. |
| 3.2 | Accurately stake plant material according to the Drawings. Stakes shall be above grade and pointed or bright colored and labeled with the name of the plant material to be installed at that location. |
| 3.2 | TIME OF PLANTING |
| 3.2.1 | Evergreen material: Plant Evergreen materials between September 1 and October 15 or in spring before new growth begins. If project requirements require planting at other times, plants shall be sprayed with anti-desiccant prior to planting operations. |
| 3.2.2 | Deciduous material: Plant deciduous materials in a dormant condition. If deciduous trees are planted in leaf, they shall be sprayed with anti-desiccant prior to planting operation. |
| 3.2.3 | Planting times other than those indicated must be acceptable to the Landscape Architect. |
| 3.3 | PREPARATION |
| 3.3.1 | General: See Landscape Preparation Section |
| 3.3.2 | Vegetation Removal |
| 3.3.3 | 1. Strip existing grass and weeds, including roots from all bed areas leaving the soil surface one (1") inch below finish grade. |
| 3.3.4 | 2. Herbicide: as required to prepare area for new planting applied to all ground cover, evergreen and shrubby beds and all mulch areas before application of preemergence herbicide, per manufacturer's recommendations. Clean area of all dead material after five (5) days. |
| 3.3.5 | 3. Pre-Emergence Herbicide: applied per manufacturer recommendations to same area where "Herbicide" has been applied and to planting bed areas, after area is cleared of dead vegetation. |
| 3.3.6 | 4. Herbicides to be applied by licensed applicator as required by the State. |
| 3.3.7 | 5. Excavate circular plant pits with vertical sides, except for plants specifically indicated to be planted in beds. Provide plant pits per planting details. Depth of pit shall accommodate the root system. Scarify the bottom of the pit to a depth of 6". |
| 3.3.8 | 6. Roughen sides of excavations. |
| 3.3.9 | 7. Provide premixed planting mixture Type "A" for use around the balls and roots of all deciduous and evergreen tree plantings. |
| 3.3.10 | 3.3.3 Ground Cover Beds, Perennial Flower Beds, and Ericaceous Plant Beds |
| 3.3.11 | 1. Excavate existing soil to 12" depth over entire bed area and remove soil from site. Scarify bottom of bed to a 4" depth. Set plants according to drawings and Specifications. Backfill entire bed with (premixed) specified planting mixture Type "A". |
| 3.3.12 | 3.3.5 Annual Flower Beds: |
| 3.3.13 | 1. Excavate existing soil to 8" depth over entire bed area and remove soil from site. Scarify bottom of bed to a 4" depth. Backfill entire bed to an 8" depth with premixed planting mixture "Type B". |
| 3.4 | INSTALLATION |
| 3.4.1 | Planting shall be performed only by experienced workman familiar with planting procedures under the supervision of a qualified supervisor. |
| 3.4.2 | Planting pits shall be round, with vertical sides and flat bottoms, and sized in accordance with outlines and dimensions shown on the planting details. |
| 3.4.3 | See drawings for planting details. |
| 3.4.4 | If obstructions are encountered that are not indicated, do not proceed with planting operations until alternative plant locations have been selected and approved in writing by the Landscape Architect. Where location or spacing dimensions are not clearly shown, request clarification by the Landscape Architect. |
| 3.4.5 | Set plant material in the planting pit to proper grade and alignment. |
| 3.4.6 | 1. Set plants upright, plumb, and faced to give the best appearance or relationship to each other or adjacent structure. |
| 3.4.7 | 2. Set plant material so it is flush to finish grade after settling, or 1-2" higher in poorly drained soil, or as directed by Landscape Architect. |
| 3.4.8 | 3. No filling will be permitted around the trunks or stems. |
| 3.4.9 | 4. Do not cover top of root ball with soil. |
| 3.4.10 | 5. Backfill pit with planting mixture. Do not use frozen or muddy mixtures for backfilling. |
| 3.4.11 | 6. Form a ring of soil around the edge of the planting pit to retain water. |
| 3.4.12 | 3.4.6 After balled and burlapped plants are set, tamp planting mixture around of balls and fill all voids and remove air pockets. |
| 3.4.13 | 3.4.7 Remove all burlap, ropes, and wires from top 1/3 of balls. |
| 3.4.14 | 3.4.8 Space ground cover plants in accordance with indicated dimensions. Adjust spacing as necessary to evenly fill planting bed with indicated quantity of plants. Plant to within 12" of trunks and shrubs and to within 6" of planting bed. |
| 3.4.15 | 3.4.9 Spread and arrange roots of bare rooted plants in their natural position. Work in planting mixture. Do not mat roots together. Cut all broken and froayed roots before installing planting mixture. |
| 3.4.16 | 3.4.10 Water immediately after planting. |
| 3.4.17 | 3.4.11 Apply pre-emergent herbicide to bed areas per manufacturer's recommendations before mulching. |
| 3.4.18 | 3.5 MULCHING |
| 3.4.19 | 3.5.1 Mulch trees and shrub planting pits and shrub beds with shredded hardwood bark mulch 3" deep to drip line immediately after planting. Leave 3" circle of bare soil around the trunk. Thoroughly water mulched areas. After watering, rake mulch to provide a uniform finished surface. |
| 3.4.20 | 3.5.2 Mulch shall not be placed in contact with trunks or stems. |
| 3.4.21 | 3.5.3 Mulch ground cover beds with shredded bark mulch 2" to 3" deep prior to planting. |
| 3.4.22 | 3.5.4 Plant ground cover through mulch. |
| 3.4.23 | 3.6 WRAPPING, GUYING, AND STAKING |
| 3.4.24 | 3.6.1 Inspect trees for injury to trunks, evidence of insect infestation and improper pruning before wrapping. |
| 3.4.25 | 3.6.2 Wrap trunks of all trees spirally from bottom to top with specified tree wrap and secure in place. |
| 3.4.26 | 3.6.3 Stake deciduous trees under 4" caliper. Stake evergreen trees under 6'-0" tall and over with metal fence post, three (3)per tree. |
| 3.4.27 | 3.6.4 Stake/guy all trees immediately after installation. When high winds or other conditions which may affect tree survival or appearance occur during the warranty period, the Sub-Contractor shall immediately repair the staking/guying. |
| 3.4.28 | 3.6.5 Guy deciduous trees 4" caliper and over. Stake evergreen trees 6'-0" tall and over with metal fence post, three (3) per tree. |
| 3.4.29 | 3.6.6 All work shall be acceptable to the Landscape Architect/Owner's representative. |
| 3.4.30 | 3.7 PRUNING |

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| 3.7.1 | Remove or cut back broken, damaged, and unsymmetrical growth of new wood. |
| 3.7.2 | Multiple leader plants: preserve the leader which will best promote the symmetry of the plant. Do not prune terminal leader. Cut branches flush with the trunk of the main branch, at a point beyond a lateral shoot or bud at a distance of not less than 1/2 the diameter of the supporting branch. Make cut on an angle. |
| 3.7.3 | Prune evergreens only to remove broken or damaged branches. |
| 3.8 | MAINTENANCE |
| 3.8.1 | See Landscape Maintenance and Warranty Standards. |
| 3.9 | CLEANING |
| 3.9.1 | Perform cleaning during installation of the work and upon completion of the work. Remove from all site excess materials, soil, debris, and equipment. Repair damage resulting from planting operations. |
| 3.9.2 | END OF SECTION |
| 3.9.3 | LANDSCAPE MAINTENANCE AND WARRANTY STANDARDS |
| 3.9.4 | 1.0 GENERAL |
| 3.9.5 | 1.1 SUMMARY |
| 3.9.6 | 1.1.1 Includes But Not Limited To |
| 3.9.7 | 1. Provide maintenance for new landscaping as described in Contract Documents. |
| 3.9.8 | 2. The requirements of the Section include a two (2) year warranty period from date of acceptance of installation performed by the General Contractor's Representative and Landscape Architect. |
| 3.9.9 | 2.0 PRODUCTS - Not Used |
| 3.9.10 | 3.0 EXECUTION |
| 3.9.11 | 3.1 PERFORMANCE |
| 3.9.12 | Acceptance of Installation |
| 3.9.13 | 1. At the completion of all landscape installation, or pre-approved portions thereof, the Landscape Subcontractor shall request in writing an inspection for Acceptance of Installation in which the Landscape Subcontractor, Landscape Architect, and General Contractor's Representative shall be present. |
| 3.9.14 | a. Following the acceptance inspection a punch list will be issued by the Landscape Architect. |
| 3.9.15 | b. Upon completion of all punch list items, the Landscape Architect and/or General Contractor's Representative shall reinspect the project and issue a written statement of Acceptance of Installation and establish the beginning of the Project Warranty Period. |
| 3.9.16 | c. At the time of acceptance all plant material shall be of vigorous health. |
| 3.9.17 | d. It is the responsibility of the Landscape Subcontractor to make the written request for inspection of installation in a timely fashion. |
| 3.9.18 | e. If there is plant material loss prior to the Landscape Subcontractor's written request for inspection of installation, the Landscape Contractor shall make all replacements of this dead material at no additional cost. These replacements are not considered to be the required one (1) replacement of dead plant material by the Landscape Subcontractor during the two (2) year project warranty period, as outlined below. |
| 3.9.19 | 2. Landscape work may be inspected for acceptance in parts agreeable to the General Contractor's Representative and Landscape Architect provided work offered for inspection is complete, including maintenance as required. |
| 3.9.20 | 3. For work to be inspected for partial acceptance, the Landscape Subcontractor shall provide a drawing outlining work completed and supply a written statement requesting acceptance of this work completed to date. |
| 3.9.21 | 3.1.2 Project Warranty |
| 3.9.22 | 1. The Project Warranty Period begins upon written preliminary acceptance of the project installation by the Landscape Architect and General Contractor's representative. |
| 3.9.23 | 2. The Landscape Subcontractor shall guarantee trees, shrubs, ground cover beds and seeded or sodded areas through construction and for a period of two (2) year after date of Acceptance of Installation against defects including death and unsatisfactory growth, except for defects resulting from neglect, abuse or damage by others or unusual phenomena or incidents which are beyond Landscape Subcontractor's control. |
| 3.9.24 | 3.1.3 Maintenance During Two (2) Year Project Warranty |
| 3.9.25 | 1. To insure guarantee standards, the following maintenance procedures for trees, shrubs, and ground covers shall be executed during construction and for the full Project Warranty Periods. |
| 3.9.26 | a. Landscape Subcontractor shall be responsible for only one (1) replacement of any plant materials during the two (2) year Project Warranty Period. These include those which are dead or in the opinion of the Landscape Architect are in an unhealthy or unsightly condition, or having lost natural shape, resulting from dieback, excessive pruning, or inadequate or improper maintenance as part of the guarantee. |
| 3.9.27 | b. Prior to any replacements, Landscape Subcontractor shall review individual plants in question with Landscape Architect to determine reason for plant demise. |
| 3.9.28 | 2. Replacements must meet the standards specified on the Landscape plans and in the specifications, i.e. quality, species of plant material and planting procedures to receive approval of replacement materials by Landscape Architect. |
| 3.9.29 | 3. Costs for replacements are assumed part of bid quotations and therefore will not result in an additional cost to General Contractor or Landscape Architect. |
| 3.9.30 | 4. Areas damaged as a result of replacement operation are to be restored by Landscape Subcontractor at no cost to the General Contractor or Landscape Architect. |
| 3.9.31 | 5. The Landscape Subcontractor shall be responsible for watering all plantings through the warranty period and shall keep guy wires taut, raise tree balls which settle, furnish and apply sprays as necessary to keep the plantings free of disease and insects until the end of the warranty period. |
| 3.9.32 | 6. The Landscape Subcontractor shall remove and replace trees, shrubs or other plants found to be dead or in unhealthy condition. |
| 3.9.33 | a. Rejected plants and materials shall be removed promptly. |
| 3.9.34 | b. Replacements shall be made during the following normal planting schedule. |
| 3.9.35 | c. Trees and shrubs which are in doubt shall be replaced, unless, in the opinion of the Landscape Architect, it is advisable to extend Project Warranty Period for full growing Season. |
| 3.9.36 | 7. The Landscape Contractor shall apply anti-desiccants on evergreen trees and evergreen shrub beds within 150' of major streets and drives, no later than December 1, during the two (2) year project warranty. |
| 3.9.37 | 8. The first spring after plant installation the contractor shall check all trees to insure twine has rotted from around the trunk. If twine is still present, it shall be removed and disposed of off-site. |
| 3.9.38 | 9. All stakes, guy wires, tree wrap paper, dead twigs and branches shall be removed from tree and plant materials at the end of this warranty period. |

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| 3.1.4 | Maintenance of Seeded Lawn Areas |
| 3.1.5 | 1. The Landscape Subcontractor shall maintain seeded lawn areas. |
| 3.1.6 | a. Water, fertilize, weed, and apply chemicals until a dense lawn of permanent grasses, free from lumps and depressions or any bare spots, none of which is larger than one (1) foot of area up to a maximum of 3% of the total seeded lawn area is established. |
| 3.1.7 | b. Seeded lawn that fails to show a uniform growth and/or germination shall be reseeded until a dense cover is established, regardless of what season the seed was installed. |
| 3.1.8 | 2. The Landscape Subcontractor shall maintain and mow all lawn areas for until acceptance of installation (typically 3 mows) . When lawn reaches 3" in height it shall be cut to 2" in height. |
| 3.1.9 | 3. The Owner assumes cutting responsibilities following the Acceptance of Installation of the seeded lawn. |
| 3.1.10 | 4. At conclusion of Project Warranty Period and after receiving Written Final Acceptance by General Contractor's representative and Landscape Architect, the Owner shall assume all seeded lawn maintenance responsibilities. |
| 3.1.11 | 3.1.5 Maintenance of Sodded Lawn Areas |
| 3.1.12 | 1. The Landscape Subcontractor shall maintain sodded lawn areas. |
| 3.1.13 | a. Water, fertilize, spot weed, apply herbicides, fungicides, insecticides and read until a full uniform, smooth stand of sod is knitted to topsoil, and accepted by the Landscape Architect or his or her representative. |
| 3.1.14 | 2. Water sod thoroughly, as required to establish proper rooting. |
| 3.1.15 | 3. Repair, rework, and resod all areas that have washed out or are eroded. Replace undesirable or dead areas with new sod. |
| 3.1.16 | 4. Mow lawn areas once as soon as sod has rooted sufficiently and knitted to the topsoil. Cut back to 2" height. Not more than 40% of grass leaf shall be removed at any single mowing. Excess clipping to be removed by the Landscape Subcontractor. The Landscape Subcontractor shall be responsible for lawn mowing until acceptance of installation (typically 3-mows). |
| 3.1.17 | 5. The Owner assumes mowing responsibilities following the Acceptance of Installation of the sodded lawn. |
| 3.1.18 | 6. At conclusion of Project Warranty Period and after receiving Written Final Acceptance by General Contractor's representative and Landscape Architect, the Owner shall assume all sodded lawn maintenance responsibilities. |
| 3.1.19 | 3.1.6 Final Acceptance Upon Conclusion of the Warranty Period |
| 3.1.20 | 1. At the conclusion of the Project Warranty Period the Landscape Subcontractor shall request a project inspection for final acceptance in which the Landscape Contractor, Landscape Architect and Owner's Representative shall be present. |
| 3.1.21 | 2. After the inspection for final acceptance, a punch list will be issued by the Landscape Architect. Upon completion of all punch list items, the Landscape Architect and the Owner's Representative shall reinspect the project and issue a Written Statement of Final Acceptance. |
| 3.1.22 | END OF SECTION |
| 3.1.23 | NOTE: The Owners may at their option elect to utilize a Construction Manager in lieu of a General Contractor for all matters pertaining to these specifications and the site work. |

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| <div>PEA GROUP</div> <div>t: 844.813.2949</div> <div>www.peagroup.com</div> <div><div>STATE OF MICHIGAN REGISTERED PROFESSIONAL LANDSCAPE ARCHITECT JANET L. EVANS NO. 3860 EXPIRATION DATE 12/31/2024</div><div>Know what's below. Call before you dig.</div></div> | |
| <div>CAUTION!!!</div> <div>THE LOCATIONS AND ELEVATIONS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS DRAWING ARE ONLY APPROXIMATE. THE CONTRACTOR SHALL BE EXCLUSIVELY RESPONSIBLE FOR DETERMINING THE EXACT UTILITY LOCATIONS AND ELEVATIONS PRIOR TO THE START OF CONSTRUCTION.</div> | |
| CLIENT | |
| <div>GESTAMP</div> <div>5800 SIBLEY ROAD</div> <div>CHELSEA, MICHIGAN 48118</div> | |
| PROJECT TITLE | |
| <div>GESTAMP</div> <div>5800 SIBLEY ROAD</div> <div>CHELSEA, MICHIGAN 48118</div> | |
| REVISIONS | |
| SITE PLAN | 10/31/22 |
| REVISED PER CITY COMMENTS | 11/22/22 |
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| ORIGINAL ISSUE DATE: OCTOBER 31, 2022 | |
| DRAWING TITLE | |
| LANDSCAPE SPECIFICATIONS | |
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| PEA JOB NO: 2022-0484 | |
| P.M. | EI |
| DN. | BGG |
| DES. | JLE |
| DRAWING NUMBER: | |
| L-2.2 | |
| NOT FOR CONSTRUCTION | |

Item 3a

Proposed Zoning Ordinance Amendments

Article 7: Landscaping

SECTION 7.01

Purpose and Intent

Landscaping, greenbelts, and screening are necessary for the protection and enhancement of the environment, and for the continued vitality of all land uses in the City. The purposes and intent of this Section are as follows:

- A. To aid in stabilizing the environment's ecological balance by contributing to the process of air purification, carbon dioxide storage, oxygen regeneration, groundwater recharge and stormwater runoff mitigation, while at the same time aiding in noise, glare, and heat abatements.
- B. To encourage the preservation of existing trees and vegetation.
- C. To assist in providing adequate light and air.
- D. To provide visual buffering and enhance the beautification of the City.
- E. To preserve, protect, and restore the unique identity and environment of Chelsea, and preserve the economic base attracted to the City by such factors.
- F. To conserve energy and to protect the public health, safety, and general welfare.
- G. To provide habitat for living things.

SECTION 7.02

Applicability

- A. Except as otherwise specified in the general requirements for each zoning district, or for the specific use, all landscaping shall conform to the standards of this Article.
- B. The requirements set forth in this Article shall apply to all uses, lots, sites, and parcels for which Site Plan Review is required and which are developed or expanded following the Effective Date of this Ordinance. No site plan shall be approved unless that site plan includes the required landscape plan and shows landscaping consistent with the provisions of this Article.
- ~~C. In cases where the use of an existing building or parking lot changes or an existing building or parking lot is altered or re-occupied, all of the standards of this Article shall be met.~~
- ~~D.C.~~ The requirements of this Section are minimum requirements, and nothing in this Article shall preclude a developer and the City from agreeing to more extensive landscaping.
- ~~E.D.~~ Existing landscaping that meets the requirements of this Article may be used to comply with the landscaping standards.

~~F.E.~~ Where landscaping is required, a Zoning Compliance Permit shall not be issued until the required landscape plan is submitted and approved, ~~and a Certificate of Occupancy shall not be issued unless provisions set forth in this Article have been met.~~

SECTION 7.03

Landscape Plan

A. Landscape Plan Requirements. A separate, detailed landscape plan shall be submitted as part of a Site Plan Review. The landscape plan shall contain the following.

- (1) **Topography.** Existing and proposed topography, by contours, correlated with a grading plan.
- (2) **Existing Trees.** ~~If proposing removal or relocation of trees, or construction within the critical root zone, a tree survey must be conducted by a certified arborist. This tree survey must detail the~~ location, species, size, and condition of existing trees (six (6) inches diameter breast height (DBH) and larger), indicating which are to be preserved, transplanted, or removed. Delineation of tree fencing or other required protection from construction activities should be identified on the plans.
- (3) **Landscaping.** Scaled layout of proposed plant materials, indicating the species and quantity within each plant grouping. Landscaping should be shown as applicable for: general site landscaping, frontage areas, parking lots, required buffers/screening, stormwater basins, and screening for outdoor storage, refuse, and utility areas.
- (4) **Proposed Plant List.** A plant list of proposed materials, showing: sizes, quantity, botanical and common names, spacing, and root type (bare or balled and burlapped).
- (5) **Proposed Site Improvements.** Scaled layout of all proposed improvements as shown on the site plan, including structures, driveways, and parking and loading areas.
- (6) **Proposed Landscape Improvements.** Plans, sections, elevations, and details of all landscape site improvements, such as: grading, landscaped berms, water features, pavements, structures, and furnishings.
- (7) **Installation.** Planting details notating installation requirements, materials to be used, critical dimensions, and any special requirements to ensure proper installation and establishment of proposed plant materials. Technical specifications indicating general requirements, warranties, submittals, materials, and installation requirements for all items of work shown on the drawing.
- (8) **Maintenance Program.** Specify an annual landscape maintenance program including a statement that all diseased, damaged, or dead materials shall be replaced in accordance with the standards of this Article.
- (9) **Utilities.** Include the location of all utility infrastructure to ensure the landscaping does not interfere with, block access to, or damage overhead or underground utilities, pavements, or other public facilities.

B. Effect of Approval. The approved landscape plan shall be considered a permanent record and integral part of site plan approval. Unless otherwise approved in accordance with the aforementioned procedures, any revisions to or removal of plant materials will place the parcel in nonconformity with the originally approved landscape plan and shall be viewed as a violation of this Ordinance and the agreed upon terms of site plan approval.

SECTION 7.04

Frontage Landscaping

A. Required Landscaping. Where the site abuts a public or private street, the following frontage landscaping shall be provided in the front yard area adjacent to the street right-of-way:

| Type of Landscaping | Required Landscaping |
|--------------------------------------|---|
| Street Trees (Deciduous/Canopy Tree) | 1 per 50 linear feet of road frontage. |
| Front Lawn | Grass or suitable living plant material where front yard or planting strip between sidewalk and curb is provided. |

Commented [AJ1]: Excluding dedicated utility easements from the frontage calculations?

- B. Street Tree Arrangement.** Street tree spacing shall be as uniform as possible. Variations will be permitted where necessary to recognize driveways, and to avoid interference with street lights, utility poles, fire hydrants, and other appurtenances. Trees shall be located between the street curb and sidewalk.
- C. Calculating Frontage.** For the purposes of computing length of road frontage, openings for driveways and sidewalks shall not be counted.
- D. Fractions.** Where calculations result in a fractional number of required plantings, any fraction up to and including one-half shall be disregarded and fractions over one-half shall require one tree or shrub.

SECTION 7.05

Site Landscaping

A. Location. Site landscaping shall be located near building entrances, along building foundations, along pedestrian walkways, near service areas, or as landscaped plazas.

Interior Site Landscaping. Interior site landscaping shall be provided in accordance with the following standards-- ~~excluding wetland areas either unregulated or regulated as delineated by EGLE. Required open or green space on the site should comply with required lot coverage standards for each zoning district.~~

| Type of Landscaping | Minimum Required Landscaping |
|--------------------------------------|---|
| Deciduous (Canopy) or Evergreen Tree | 1 per 500 square feet of open/green space. |
| Ornamental (Flowering) Tree | 2 per 500 square feet of open/green space, permitted in lieu of deciduous or evergreen trees. |
| Shrubs | 1 per 300 square feet of open/green space. |

- B. Site landscaping should be integrated with other ornamental site design elements where appropriate, such as water features, trellises, pergolas, fences, walls, lighting, street furniture, and public art.
- C. **Specific Landscaping Requirements for Multi-Family Districts.** All lots or parcels proposed for multiple-family residential use in the R-3 District shall contain a minimum of two (2) deciduous or evergreen trees and four (4) shrubs *within the landscaped open space areas per for each dwelling unit located on the first and second floors within the landscaped open space areas*. These requirements are in addition to the requirements of this Section.

Commented [AJ2]: I wrote it per the 1st and 2nd floors instead of a 3rd and 4th floor exemption because if the height requirement of the R-3 district ever changes (for instance to allow 5 floors) this section will still be accurately written.

SECTION 7.06

Parking Lot Landscaping

All parking areas and other paved ground surface areas used for vehicular parking shall have perimeter and internal landscaping *as noted below, to provide visual and climatic relief from broad expanses of pavement and to channelize and define logical areas for pedestrian and vehicular circulation.*

- A. **Screening.** Where parking lots are adjacent to sidewalks, streets, and other public rights-of-way, landscaped screening shall be provided between the public right-of-way and the parking lot area. Such screening shall consist of one or a combination of the following:
- (1) **Landscaped Screening.** Landscaping shall include a landscaped yard at least five (5) feet in width containing an opaque screen of landscaping (evergreen or deciduous hedge) at least three (3) feet in height *at maturity*. Shrubs shall be planted a maximum of 30 inches on center. The landscaping shall be located at least two (2) feet from the front of a parking space curb so as to account for vehicle overhang.
 - (2) **Screening Wall or Fence.** Walls shall be between three (3) and four (4) feet in height and constructed of durable, natural materials such as stone, brick, wrought iron, or metal.
- B. **Interior Landscaping.** All off-street parking areas shall have internal landscaping to provide visual and climatic relief from broad expanses of pavement, improve aesthetics, and define areas for pedestrian and vehicular circulation.
- (1) Each parking lot shall provide interior landscaping equal to a minimum of five percent (5%) of all paved parking areas, including parking and loading spaces, driveways, and aisles. Sidewalks shall be excluded from the calculation of paved area.

(2) Parking lot islands shall be curbed and a minimum of 170 square feet in area with a minimum width of ten (10) feet. Parking lot islands shall be one (1) foot shorter than the adjacent parking space.

- a) Parking lot islands ~~landscaping~~ may contain canopy trees, ~~living~~ ground cover, perennials, shrubs, ~~grass~~~~hardwood mulch~~, native plantings, rain gardens, and/or bioswales to meet the minimum landscaping requirements of this Section.
- b) Rock, stone, or pebbles shall only be permitted as ground cover for rain gardens or bioswales.

(3) Minimum canopy tree requirements are as follows:

- a) A minimum of one (1) canopy tree per 10 parking spaces ~~in islands~~ or fraction thereof.
- b) A minimum of one (1) canopy tree per 40 linear feet around the perimeter of the lot.

(4) All required interior parking lot landscaping shall be planted within the landscaped islands or in landscaped areas within 20 feet of the perimeter of the parking lot, provided that such landscaping is not also counted toward other landscape or screening requirements.

C. Other Paved Areas. In addition to the above parking lot landscaping requirements, other large paved areas not dedicated to parking, such as gas stations, car washes, shared access lanes and storage lots, shall be landscaped as follows:

- (1) A minimum of five percent (5%) of the paved surface area shall be provided for the purpose of planting canopy trees or other landscape materials within the paved areas.
- (2) Shade trees shall be provided along the perimeter of a large paved area at a minimum rate of one (1) tree per 40 linear feet. Trees may be planted at uniform intervals or in clusters.

D. Parking Deck Landscaping. A minimum of one (1) tree and six (6) shrubs per 30 linear feet are required along the base of a parking deck structure.

SECTION 7.07

Loading Area Landscaping

A. All loading areas (including, but not limited to, truck docks, overhead doors, or trailer staging areas) shall be screened from view from any public street rights-of-way or adjacent residential zoning district for the entire length of the loading area to the greatest extent possible. Screening for loading areas may be accomplished by one or a combination of the following:

- (1) **Landscaped Screening.** Evergreen trees at least eight (8) feet in height and planted in a staggered double row spaced fifteen (15) feet on center. Any plant material used to fulfill these requirements shall meet or exceed the minimum size requirements of this Article when planted.
- (2) **Wall or Fence.** An opaque fence or wall which is at least six (6) feet high and is made of the same or compatible material, in terms of texture and quality, as the material and color of the principal building.

SECTION 7.08

Buffering from Residential Uses

All premises used for business, commercial, or industrial, as well as approved or permitted non-residential uses in residential districts, shall be screened along each rear lot line and each interior lot line when the rear lot line or interior lot line abuts to a parcel which is zoned R-1, R-2, or R-3.

A. Buffer Types. Required residential screening may be satisfied by any one or combination of any of the following.

- (1) **Greenbelt.** A 10-foot-wide greenbelt containing one of the following:
 - a) A continuous screen of evergreen trees at least six (6) feet in height.
 - b) A wooded area left in its natural state, with no trees or other vegetation removed unless it is deemed to be dead, may serve as the required greenbelt. However, if any vegetation is removed from the greenbelt at any time, then plantings must be added to ensure that there is at least one (1) tree and eight (8) shrubs per 30 feet of the length of the lot line.
- (2)(1) **Green Wall.** A "green wall" of sufficient density or compactness to effectively obscure vision through it. The wall must be at least six (6) feet in height. A green wall enables plants to grow vertically along its l to provide air and water quality functions as well as aesthetic enhancement. Green walls may have plantings on either side, but any non-planted sides must be visually appealing, in the opinion of the Planning Commission.

| Buffer Type | Height (min.) |
|---|---------------|
| (1) Greenbelt: 10 ft. wide greenbelt containing one of the following: | |
| a) Continuous screen of evergreens | 6 ft. |
| b) A wooded area left in its natural state, with no trees or other vegetation removed unless it is deemed to be dead, may serve as the required greenbelt. However, if any vegetation is removed from the greenbelt at any time, then plantings must be added to ensure that there is at least one (1) tree and eight (8) shrubs per 30 feet of the length of the lot line. | |

- Commented [AJ3]:** This seems somewhat limiting in terms of options. What about brick walls, board-formed concrete walls, or other patterned or stamped concrete?
- Commented [AJ4]:** Use versus zone... compare to general wall requirements. Form and function.
- Commented [AJ5]:** The Zoning Ordinance does not have a definition for "wall".

(2) Green Wall

A "green wall" of sufficient density or compactness to effectively obscure vision through it. A green wall enables plants to grow vertically along its length to provide air and water quality functions as well as aesthetic enhancement. Green walls may have plantings on either side, but any non-planted sides must be visually appealing, in the opinion of the Planning Commission.

6 ft.

- B. Planting Setback.** Trees and shrubs shall not be placed closer than four (4) feet to the property line. Fences shall be located in accordance with [Section 6.08B](#).

SECTION 7.09

Refuse, Recycling, and Utility Screening

- A. Garbage, Refuse, and Recycling Collection Areas.** All garbage, refuse, and recycling collection areas (i.e., dumpsters) shall be screened to meet the requirements of [Section 6.09](#).
- B. Mechanical and Utility Equipment Screening.** All mechanical equipment, utility meters, storage tanks, air conditioning equipment, transformers, or similar equipment, incidental to any building, including roof-mounted equipment shall be screened to meet the requirements of [Section 6.10](#). This requirement shall not apply to equipment serving a single dwelling unit.

SECTION 7.10

Stormwater Basin Landscaping

Stormwater detention or retention basins shall be designed to provide a natural appearance through the use of gradual side slopes, rock walls, and plant material. The following standards shall be considered minimum requirements for the landscaping of stormwater basins:

- A. Vegetation Requirements.** The landscape treatment for stormwater basins shall include a mixture of groundcover, wetland, and wildflower species native to Michigan. Native vegetation provides a number of benefits in stormwater basins including enhanced stormwater quality, increased habitat, passive recreational opportunities, and reduced algae growth. The combination of wetland plugs and native seed mixes will provide the optimum opportunities to achieve the benefits described above. The side slopes and the bottom of the basin shall be planted with a combination of a native seed mix and wetland plugs/bare-root stock.
- B. Perimeter Greenbelt.**
- (1) **Basin Perimeter.** Trees and shrubs shall be planted around the basin to buffer and enhance views of the basin, and to replicate a natural environment. Deciduous canopy trees shall be clustered around the sides of the basin to provide shade and minimize solar heating of the water.

- (2) **Trees.** Trees shall be planted above the freeboard line of the basin. Any plantings proposed below the freeboard line shall be tolerant of wet or moist soil conditions.
- (3) **Native Species.** Plants shall be species native to Michigan, in accordance with the City's list of approved native plant species for stormwater basins.
- (4) **Screening of Mechanical Structures.** Any above ground mechanical structures necessary for basin operation shall be identified on the site and landscape plan and shall be fully screened with evergreen trees or trees and shrubs suitable for the wetness zone in which they are to be located.
- (5) **Screening.** The area around the stormwater basin riser outlet structure(s) (outlet between forebay and basin and primary outlet to creek/storm sewer) shall be appropriately screened with vegetation appropriate for the applicable basin zone. The screening vegetation shall not inhibit future maintenance access to the structure.

C. Establishment and Maintenance.

- (1) The landscape performance guarantee held by the City for a site with a stormwater basin, shall include the stormwater basin-related plantings. The performance guarantee shall be held for two (2) years to ensure sufficient establishment of the stormwater basin plantings.
- (2) The homeowner association covenants and restrictions or master deed must include language for stormwater basin maintenance per the approved plans. For multi-family residential, commercial, industrial, and non-residential sites, such maintenance shall be the responsibility of the landowner and consistent with the approved plans.
- (3) Use of fertilizers along the side slopes or within the stormwater basin is prohibited.

SECTION 7.11

Standards for Plant Materials

- A. Lawn Areas.** Lawn areas shall be planted in species of grass normally grown as permanent lawns in Southeast Michigan. Grass may be sodded or seeded and mulched, except that solid sod shall be used in swales or other areas subject to erosion. Sod or seed shall be clean, free of weeds and noxious pests or disease.
- B. Recommended Species.** Plantings should emphasize native trees, shrubs, and perennials which are hardy to Southeast Michigan. The following is a list of recommended species and required minimum sizes of plant materials. The Planning Commission or Planning and Zoning Administrator may permit other species not listed below.

| Recommended Plant Type and Minimum Size | Common Name |
|---|--|
| Evergreen Trees (8 feet minimum height) | Fir, Hemlock, Juniper, Pine, and Spruce |
| Narrow Evergreens (5 feet minimum height) | Blue Columnar Chinese Juniper, Column Honoki |

| | |
|---|--|
| | Cypress, Douglas Arborvitae, Pyramidal Red Cedar, Pyramidal White Pine, and Swiss Stone Pine |
| Deciduous (Canopy) Trees (2.5-inch minimum caliper) | Beech, Birch, Ginkgo, Hackberry, Honey Locust (Without Thorns), Hickory, Hop Hornbeam, Hornbeam, Horsechestnut, Kentucky Coffeetree, Linden, Maple (Hard Maple), Oak, Planetree (Sycamore), and Zelkova. |
| Ornamental Trees (2-inch minimum caliper) | Allegheny Serviceberry, Dogwood, Flowering Cherry, Flowering Crab, Flowering Pear, Hawthorn, Magnolia, and Redbud. |
| Deciduous Shrubs (3 feet minimum height) | Dogwood, Euonymus, Forsythia, Hazelnut, Honeysuckle, Hydrangea, Lilac, Mock-Orange, Ninebark, Privet, Spiraea, Sumac, Rose of Sharon, Winterberry, Witchhazel, and Viburnum. |
| Evergreen Shrubs (30 inches minimum height) | Holly, Juniper, and Yew. |
| Spreading Shrubs (18 inches minimum height) | Cotoneaster and Creeping Juniper. |
| Perennial Flowers/Groundcover | Black-Eyed Susan, Creeping Juniper, Creeping Phlox, Daylily, Fragrant Sumac, Ornamental Grass, and Periwinkle. |

- C. Prohibited Species.** The following species are considered undesirable or invasive to this area and are prohibited from being planted as required landscaping. The Planning Commission or Planning and Zoning Administrator may prohibit other species that are not listed below.

***Denotes invasive species.**

| Prohibited Species - <u>Common Name</u> | Prohibited Species - <u>Scientific Name</u> |
|---|---|
| Ash | <u>Fraxinus</u> |
| <u>Autumn Olive</u> | <u>Elaeagnus umbellata</u> |
| Black Locust* | <u>Robinia pseudoacacia</u> |
| Box Elder | <u>Acer negundo</u> |
| Buckthorn* | <u>Rhamnus cathartica</u> |
| Catalpa | <u>Catalpa</u> |
| Cottonwood | <u>Populus section Aigeiros</u> |
| Elm | <u>Ulmus</u> |
| <u>Flowering Pear</u> | <u>Pyrus</u> |
| Ginkgo (Female) | <u>Ginkgo biloba</u> |
| Honey Locust (With Thorns) | <u>Gleditsia triacanthos</u> |
| Horse Chestnut (Nut Bearing) | <u>Aesculus hippocastanum</u> |
| Mulberry | <u>Morus alba</u> |
| Norway Maple* | <u>Acer platanoides</u> |

| | |
|-----------------|-------------------------------------|
| Poplar | Populus |
| Silver Maple | Acer saccharinum |
| Tree of Heaven* | Ailanthus altissima |
| Willow | Salix |

D. Minimum Requirements for Plant Material.

- (1) All plant material shall conform to the description consistent with generally accepted and published nursery and landscape standards. Plant materials shall be typical of their species or variety, have normal habitat of growth, well-branched and densely foliated when in leaf.
- (2) Plant materials shall be chosen according to soil, climatic conditions and environmental factors for the proposed development, the location of the installation, and its desired function.
- (3) Artificial plants are prohibited from satisfying landscape requirements.

SECTION 7.12

Installation and Maintenance

A. Installation

- (1) **Installation Period.** Whenever planting is required by this Ordinance, it shall be planted prior to the issuance of the Certificate of Occupancy. If the weather does not permit the planting, the required planting shall take place within six (6) months from the date of issuance of the Certificate of Occupancy and the owner shall post a performance guarantee in accordance with the provisions set forth in [Section 14.08](#).
- (2) **Installation Method.** All landscaping shall be installed in a manner consistent with generally accepted and published nursery and landscape standards, the approved landscaping plan, and the following:
 - a) **Balled and Burlapped.** All trees shall be balled and burlapped at the time of planting.
 - b) **High Quality and Healthy Plant Material.** Plant material shall be freshly dug and nursery grown. Plant material shall be of sound health, vigorous and uniform in appearance with a well-developed root system and free from disease, insects, pests, eggs, or larvae. Trees shall have straight trunks with leaders intact, undamaged and uncut.
 - c) **Mulching.** Trees, shrubs, hedges, vines, perennials, and live groundcovers (except turf grasses) shall be generously mulched at the time of planting with hardwood bark mulch or similar natural material. Because stone, rocks, and pebbles trap heat and do not retain moisture, these materials shall not be permitted as a ground cover or mulch.

- d) *Topsoil.* A minimum of four (4) inches of topsoil shall be provided for all lawn areas, ground covers, berms, and planting beds.
- e) *Plant Material Required in All Portions of Landscaped Areas.* All portions of the landscaped areas shall be planted with grass, groundcover, shrubbery, or other suitable plant material, except that paved patios, terraces, sidewalks, and similar site features may be incorporated with Planning Commission approval.
- f) *Planting Locations.* Unless a specific planting pattern is required by the Zoning Ordinance or the Planning Commission, required trees and shrubs may be planted at uniform intervals, at random, or in groupings, provided they are planted in accordance with the approved plan. Landscaping shall be located and maintained in a manner that minimizes conflicts with overhead or underground utilities, and that allows reasonable view of storefronts and signs. When trees are planted with five (5) feet of a permanent building, structure, or paved area, structural soil systems shall be used to direct new root growth downward. When soil structural soils are used, a minimum depth of six (6) feet of structural soil shall be provided underneath trees.
- g) *Protection of Existing Vegetation.* Existing vegetation to be preserved shall be protected during construction through the use of temporary fencing around the drip line.

B. Irrigation Required. All landscape areas (including lawns) shall be provided with an automatic underground irrigation system. The Planning Commission or Planning and Zoning Administrator may approve an alternate form of irrigation for a particular area, or may waive the irrigation requirement in an area upon determining that the underground irrigation is not necessary to maintain site landscaping in good condition due to the characteristics of the proposed plant materials.

C. Maintenance. The owner of the property is responsible for the regular maintenance of all plants and must replenish mulch, control weeds, fertilize plants, and prune plants as necessary beginning upon completion of construction of landscaping. All diseased, dead, or damaged plants shall be replaced within 30 days, unless the season is not appropriate for planting, in which case such plant material shall be replaced at the beginning of the next planting season.

SECTION 7.13

Preservation and Mitigation

- A. Purpose.** The purpose of this Section is to encourage and incentivize the preservation of mature trees and healthy plant materials, and promote the protection of the natural environment and tree canopy by requiring replacement of mature trees throughout the City of Chelsea.
- B. Applicability.** The standards in this Section shall apply for all activities requiring Site Plan Review, except for those submitted for a singular single-family or two-family dwelling.

Commented [AJ6]: These standards should be revised to indicate whether removal and/or preservation of prohibited or prohibited/invasive tree species should be credited at the same rate as other (desirable) tree species. This issue is forthcoming with the Gestamp site.

C. Preserving Existing Trees and Plants. Healthy plant materials on a site prior to its development shall be incorporated into the landscape plan, if such materials meet the standards of the City of Chelsea.

- (1) Plant materials and trees to be preserved shall be indicated on the site plan. A matrix shall be provided that lists existing trees and credits for preserved trees in accordance with the standards in [Section 7.13E](#).
- (2) The Planning Commission may require the preservation of significant existing plant materials based upon its determination that a reasonable layout of the site is incorporating those materials. Significant materials shall be defined as those not readily replaceable by virtue of the size, species, variety, form, condition, quality, or location, and may include vegetation identified as wildlife habitat.
- (3) Prior to limb removal, root pruning or other treatments on existing plants being preserved the Planning Commission may require approval of the work by the City's consulting landscape architect or certified arborist.
- (4) Plant materials to be saved shall be protected from construction activities. Fencing or other barriers shall be placed at the dripline. Areas to be protected shall be staked. Barriers shall not be supported by the tree or shrubs they are protecting, and shall be of durable materials that will provide the intended protection until construction is completed. No vehicles, soil deposits, nor any other materials may be parked or stored within the driplines of such trees or shrubs unless wells or other devices as shown on the approved landscape plan are used to protect the plant materials.
- (5) If trees or plant materials to be preserved are found to be unhealthy, damaged, or removed within three (3) years after completion of construction, the property owner shall replace them or provide a performance guarantee in an equivalent amount plus a ten percent (10%) administrative fee for later replacement. The performance guarantee may be used by the City of Chelsea to replace such materials.

D. Tree Replacement Standards. Existing trees to be removed within the proposed development area that are greater than six (6) caliper inches for deciduous trees or eight (8) feet for evergreen trees shall be replaced in accordance with the following standards.

| Size of Tree Removed | Number of Replacement Trees per Tree to Be Removed | |
|---|--|-----------|
| Deciduous or Ornamental Trees (Caliper) | Within Building Footprint | Site |
| 6 - 8 inches | 1.0 tree | 2.0 trees |
| 8.1 - 16 inches | 1.5 trees | 3.0 trees |
| Greater than 16 inches | 2.0 tree | 6.0 trees |
| Evergreen Trees (Height) | | |
| 8 feet | .5 tree | 1.0 trees |
| 8.01 - 10 feet | 0.75 trees | 1.5 trees |
| Greater than 10 feet | 1.0 trees | 2.0 trees |

1 tree = One 2.5" - 3" caliper deciduous tree OR 6' coniferous tree.

- (1) When the number of replacement trees required results in a fraction, any fraction up to one-half (.5) shall be disregarded, and any fraction over and including one-half (.5) shall require one replacement tree.
- (2) A matrix shall be included on the site plan identifying existing trees, trees to be removed, and number of replacement trees provided.
- (3) Replacement trees shall be provided in addition to all other trees required by this Article.

E. Tree Preservation Credits. To encourage the preservation of quality and mature trees, the following credits may be granted to waive the number of new trees required by this Article. Tree credits may account for up to 50 percent (50%) of the new trees required by this Section.

| Size of Tree Preserved | Credits |
|---------------------------|------------------|
| Deciduous Trees (Caliper) | |
| 2.6 – 8 inches | 1 credit / each |
| 8.1 – 16 inches | 2 credits / each |
| Greater than 16 inches | 3 credits / each |
| Coniferous Trees (Height) | |
| Greater than 6 feet | 1 credit / each |

1 credit = One 2.5" - 3" caliper deciduous tree OR One 6' coniferous tree

SECTION 7.14

Waivers

Recognizing that a wide variety of land uses and the relationships between them can exist, and that varying circumstances can mitigate the need for landscaping, the Planning Commission may allow the following waivers from the provisions of this Article.

- A. Permitted or Prohibited Species.** The Planning Commission may permit any of the prohibited species or allow for other species not listed in the permitted species list. No waiver shall be granted to permit invasive species.
- B. Screening.** The Planning Commission may permit an alternate screening plan, upon finding that the alternative screening will ensure compatibility with surrounding and nearby land uses because of one or both of the following:
 - (1) The site has natural existing vegetation and/or topography, natural bodies of water or wetland areas or other existing conditions which offer sufficient screening. The Planning Commission shall require the preservation of these natural features as a condition of site plan approval in such circumstances.

- (2) The arrangement, design and orientation of buildings on the site maximize privacy and isolate adjacent and nearby land uses from any potential negative impacts of the project.

- c. Utilities. The Planning Commission may reduce the number of street trees required in Section 7.04.A, the number of parking lot perimeter canopy trees required in Section 7.06.B(3)b, and the number of large paved area perimeter shade trees required in Section 7.06.C(2) upon finding that the presence of utilities interferes with the ability to plant the minimum total number of required trees.

Commented [AJ7]: Do we want to leave this proposed waiver language open-ended or narrow its scope to say something like "The PC may reduce the number of street trees required in Section 7.04.A by (up to 50%, up to 75%, etc?)

Note: Article 7 does not mention any discussion of the City's Tree Trust Fund. The Tree Fund is an entirely separate discussion issue for a future date – especially after Canton Twp's Tree Fund was recently ruled unconstitutional which has potential implications for Chelsea's Tree Fund implementation. See: <https://npr.brightspotcdn.com/c6/10/9a637f4a4d5b9c041e352d998ed4/20-1466-documents.pdf>

Section 6.08

Fences

- A. Permit.** Installation of a fence on any property in any district requires a Zoning Compliance Permit. Application for such permit shall contain any and all information, including drawings, required and necessary for the determination of whether the erection of such fence would comply with the provisions of this section.
- B. Location.** All fences shall be constructed within the property lines of a lot unless there is a written consent from the adjoining property owners. The City shall not be responsible for determination of the location of any fence to be erected on lot lines.
- (1) Fences shall be constructed at least one (1) foot from any public sidewalk or right of way line except at intersections subject to Section 3.13 Visibility at Intersections.
 - (2) Fences placed on corner lots shall meet front yard requirements as specified in [Section 3.07](#) for each street frontage.
 - (3) Gates in fences shall not open over public property. The Planning and Zoning Administrator may require a gate if it is needed for access to a public utility easement.

C. Height and Opacity

- (1) *Commercial, Industrial, and Residential Fences.* The following height and opacity requirements shall apply to fences constructed on property other than public land or institutional parks.

| Location | Commercial / Industrial | Residential | | All |
|------------|----------------------------|-------------|-------------|--------------|
| | Max. Height ^(a) | Min. Height | Max. Height | Max. Opacity |
| Rear yard | 8 feet | 3 feet | 6 feet | 100% |
| Side yard | 8 feet | 3 feet | 6 feet | 100% |
| Front yard | 6 feet | 3 feet | 4 feet | 50% |

- a) The maximum fence height shall not apply to intensive commercial or industrial uses that may generate significant off-site noise, dust, glare, or other nuisances. Fences for such uses shall be high enough to adequately protect neighboring properties from adverse effects.
- (2) *Public and Institutional Fences.* Fences which enclose public or institutional parks, playgrounds, or public landscaped areas, situated within an area development with recorded lots, shall not exceed eight (8) feet in height and shall not obstruct vision to an extent greater than 25 percent (25%) of their total area.
- (3) The height of a fence shall be measured from the average grade of the fence line.

D. Fence Materials

- (1) Fences shall be constructed of materials designed for decorative, landscape effect such as: split-rail, wood, wrought iron, metal, and extruded plastic. Chain link fences shall not be permitted in the front yard.
- (2) Razor edge fence, spikes, nails or any other sharp point or instrument of any kind on top or on the sides of any fence, or electrical current or charge in a said fence, shall be prohibited.
- (3) Barbed wire shall only be permitted in industrial and municipal use zoning districts, for wireless communication towers, or public or private utility installations which require security. Barbed wire shall be at least ten (10) feet above grade.

E. Temporary Fences. Temporary fences such as construction fences or any other type of temporary fencing may be permitted, but shall not be in place for period greater than one (1) year without special approval of the Zoning Board of Appeals.

F. Maintenance of Fences. Fences shall be maintained so as not to endanger life or property. Any fence which, through lack of repair, type, or construction, or which otherwise endangers life or property, shall be deemed a nuisance per se. If an unsafe condition exists in regard to a fence, the Planning and Zoning Administrator or their appointed designee shall serve written notice to the owner, agent, or person in control of the property upon which such fence is located. The notice shall describe unsafe conditions, shall describe repairs or modifications required to make the fence safe, or shall require an unsafe fence or any portion thereof to be removed. The notice shall provide a 30-day limit for such repairs, modifications, or removal.

G. Alterations. Any person, firm or corporation being an owner, lessee, occupant, or agent of the same, of any property containing a fence which violates provisions of this ordinance, shall not alter, change, repair or rebuild the fence without first having obtained a permit.

H. Nonconforming fences. Nonconforming fences are subject to the requirements of [Section 13.03](#).

Section 6.09

Waste Receptacle Enclosures

- A.** Enclosures shall be provided for outdoor trash receptacles in all multi-family, office, industrial, and mixed-use zoning districts.
- B.** Enclosure locations and details of construction shall be shown on site plans. A change in location or size of an enclosure that existed prior to the date of adoption of this ordinance, as amended, shall require modification to the enclosure to comply with this section.
- C.** Waste receptacle or compactor enclosures shall be located in the rear yard or side yard and shall be at least five (5) feet from any lot line and a minimum of 20 feet from any residential district.

- D.** Waste receptacle or compactor enclosures shall be easily accessed by refuse vehicles without potential to damage vehicles parked in designated parking spaces.
- E.** Enclosures shall be maintained in a manner consistent with its original design and construction as approved by the City.
- F.** Waste receptacle enclosures shall consist of walls on three (3) sides, finished with materials that either match or are compatible with the principal building. A gate shall be provided on the fourth side and shall consist of materials compatible with the enclosure. The enclosure shall be a minimum of seven (7) feet or one (1) foot higher than the receptacle in height, whichever is greater.

Section 6.10

Mechanical Equipment

- A.** Mechanical equipment, such as blowers, ventilating fans, and electrical generating air conditioning units shall not be placed less than three (3) feet from any lot line in the DT District and less than twelve (12) feet from any lot line in all other districts. The location of such equipment shall be shown on all required site plans.
- B.** Mechanical equipment, including elevator housings, tanks, heating, ventilation, and air conditioning equipment (HVAC), and other similar equipment shall comply with the following standards:
 - (1) Equipment that is located on the ground shall be screened by a solid wall, fence, landscaping and/or architectural feature that is compatible in appearance with the principal building.
 - (2) Roof-mounted equipment shall not exceed a height of ten (10) feet above the surrounding roof surface. All roof-mounted mechanical units shall be integrated into the architecture of the building and completely screened from view from ground level by parapet walls or other approved enclosure.
 - (3) Screening shall reflect and complement the architecture of the principal building.

§ 151.102 FENCES, WALLS, AND SCREENS.

VILLAGE OF MANCHESTER

(A) Any person desiring to build or cause to be built a fence upon property within the Village of Manchester shall first apply to the Zoning Administrator for a permit. Application for the permit shall contain any and all information, including site plan and opacity, which are required and necessary for the determination of whether the erection of the fence would be contrary to the provisions of this chapter. The fee for the permit shall be set by Council resolution.

(B) Except as otherwise required by this chapter, the following regulations shall apply.

(1) In a residential district, fences shall not exceed 6 feet in height. However, fences in the required front yard shall not exceed 4 feet in height and 50% opacity. Opacity is the degree to which a fence is impervious to rays of light. This condition shall be measured by the observation of any 2 square yard area of fence between 1 foot above the ground level and the top of the fence. The observation shall be from a direction perpendicular to the place of the fence.

(a) Residential fences shall only be constructed of the following materials:

1. Treated wood, cedar, or redwood.
2. Simulated wood, including vinyl covered and synthetic wood composite or equivalent.
3. Decorative brick or stone.
4. Chain link.
5. Any other material which the Zoning Administrator determines to be equivalent to the above in terms of quality and appearance.

(b) The use of barbed wire, snow fence, chicken wire, and electric is prohibited as a residential fence.

(c) Welded wire farm fencing and similar is prohibited as a residential fence except within the R1A and AG Districts. All fence supports shall be uniform in height and style.

(d) The Zoning Administrator shall evaluate the fence type to determine which side of the fence shall face outward with the rule being that the finished side faces the neighbor.

(2) In a commercial, industrial, or office district, no fence, wall, or other screening structure shall exceed 12 feet in height.

(3) The use of barbed wire, spikes, nails, or any other sharp point or instrument of any kind on top or on the sides of any fence is prohibited. Barbed wire cradles may be placed on top of fences enclosing public utility buildings or wherever deemed necessary in the interests of public safety.

(4) No fence shall be constructed or maintained which is charged or connected with an electrical current.

(5) Retaining walls shall be designed and constructed in accordance with applicable building code requirements.

(6) Temporary construction fences and fences required for protection around excavations shall comply with Article 18 of the Basic Building Code. The fences shall not remain in place for a period greater than a year.

(7) Clear vision requirements.

(a) No fence, wall, screen, hedge, sign, or other structure or planting shall obstruct visibility between the heights of 30 inches and 10 feet above the sidewalk grade within 25 feet of the intersection of 2 or more streets.

(b) On any interior lot, no fence, wall, screen, hedge, sign, or other structure or planting shall obstruct the visibility of a driveway, either on a parcel or on an adjacent parcel, between the height of 30 inches and 10 feet measured a distance of 20 feet back from the point where the driveway intersects the street.

(Ord. 239, passed 3-5-2001, § 6.3; Am. Ord. 296, passed 12-19-2016) Penalty, see § [151.999](#)

§ 155.074 WALLS. CITY OF INKSTER

For those use districts and uses listed below, there shall be provided and maintained on those sides abutting or adjacent to a residential district an obscuring wall as required below in Table 5-2:

| TABLE 5-1 | |
|--|---|
| Use | Requirements |
| TABLE 5-1 | |
| Use | Requirements |
| RM-1 and PD Districts, (where abutting any single-family to two-family residential districts) | 5 feet high wall |
| Off-street parking or loading areas | 4 feet, 6 inches to 6 feet, 0 inches |
| O-1, B-1, B-2, B-3 Districts | 6 feet, 0 inches high wall |
| M-1 Districts, open storage areas, loading or unloading areas, service areas | 6 feet, 0 inches to 8 feet, 0 inches high wall |
| Hospital, ambulance and delivery areas | 6 feet, 0 inches high wall |
| Utility buildings, stations and/or substations; except that in cases where all equipment is contained within a building or structure constructed so as to be similar in appearance to the residential building in the surrounding area, the Planning Commission may waive the wall requirements. | 6 feet, 0 inches high wall |
| Wireless communications facilities | Requirements specified in §§ 155.211 through 155.217 |
| Mechanical and electrical equipment | Height equal to objects being screened |
| Waste receptacles (dumpsters) | Height one foot taller than waste receptacle. See § 155.075 for additional requirements |

NOTES:

(A) Required walls shall be located on the lot line except where underground utilities interfere and except in instances where this chapter requires conformance with front yard setback lines in abutting residential districts. Required walls may, upon approval of the Planning Commission, be located on the opposite side of an alley right-of-way from a nonresidential zone that abuts a residential zone when mutually agreeable to affected property owners. The continuity of the required wall on a given block will be a major consideration of the Planning Commission in reviewing such request.

(B) Such walls and screening barriers shall have no openings for vehicular traffic or other purposes, except as otherwise provided in this chapter, and except such openings as may be approved by the Chief of Police and the Building Official or other official responsible for code enforcement. All walls herein required shall be constructed of materials approved by the Building Official or other official responsible for code enforcement to be durable, weather-resistant, rustproof and easily maintained. Wood, wood products, recycled garage doors and sheet metal may be specifically excluded.

(C) Corner clearance. Obscuring walls shall comply with the specifications for maintenance of unobstructed sight distance for drivers as set forth in § 155.073(B).

(D) Substitution or waiver. As a substitute for a required obscuring wall, the Planning Commission may, in its review of the site plan, approve the use of other existing or proposed living or man-made landscape features (such as closely spaced evergreens) that would produce substantially the same results in terms of screening, durability, and permanence. Any substitute screening shall comply with the applicable requirements as set forth in § 155.073.

(E) In consideration of requests to waive or modify wall requirements, the Planning Commission shall refer the request to the Community Development Director, City Planner, and/or Police Chief for a recommendation.

(Ord. 792, passed 12-3-01; Am. Ord. passed 2-20-17)

5. Banks and other similar financial institutions shall not be required to designate a loading space on the site, provided that the applicant submit documentation concerning the sensitivity of deliveries to the site and the need for these deliveries to occur as near to the door as possible.

5.5 LANDSCAPE STANDARDS: OBSCURING EARTH BERMS AND WALLS, RIGHTS-OF-WAY BUFFERS, AND INTERIOR AND EXTERIOR LANDSCAPE PLANTINGS

1. Intent. The intent of this Section is to achieve landscapes with creative placement and attractive designs that:
 - emphasize the preservation of existing natural resources, the use of native plant materials, and a diversity of plant species;
 - preserve and enhance existing woodlands, wetlands, and natural open areas;
 - reduce impervious surfaces, enhance storm water management, and prevent soil erosion and soil depletion;
 - provide appealing yet opaque visual and audible buffering between non-compatible land uses; and
 - utilize the best ecological concepts and environmental objectives with preservation and sustainability as a priority, in order to protect and enhance the well-being of the residents of the City of Novi.

Landscape regulation is intended to establish minimum standards for all property in the City. Property owners and occupants are encouraged to exceed these standards, to minimize paved areas and other run-off areas, and to maximize the areas devoted to attractively designed and well-maintained landscapes.

2. Landscape Plan Required. A landscape plan shall be submitted for any new commercial or residential development, and any addition to an existing building that is equal to or greater than a twenty-five (25) percent increase in the overall square footage of the building or four-hundred (400) square feet, whichever is less. With the exception of [Section 5.5.3.G, Individual \(Non-Subdivision/Non-Site Condominium\) Single-Family Street Tree Requirements](#), an owner of a single-family home-site shall not be required to comply with the provisions of this Section. All landscape plans shall be prepared in accordance with the requirements of this Ordinance and the requirements of the [City of Novi Landscaping Design Manual](#), as adopted by the City Council by resolution and which may similarly be amended by Council resolution from time to time.

3. Landscape Requirements

A. Residential Adjacent to Non-Residential

- i. Intent. To make provision for a visual buffer strip in each zoning and use classification when a non-residential use abuts or is adjacent to any residential zoning district.
- ii. Requirements for Obscuring Landscaped Earth Berms and Walls. In all locations which abut or are adjacent to any residential district (RA, R-1, R-2, R-3, R-4, RT, RM-1, RM-2, MH and any TC district if developed for residential purposes), an obscuring landscaped earth berm and plantings, as described, shall be proposed, approved, installed and maintained in connection with any development or use identified below. Where TC-1 and RM-2 are adjacent to TC-1 and RM-2, a wall and plantings shall be provided as indicated in the following Berm Requirement Chart:



| 5.5.3.A.ii Residential Adjacent to Non-Residential Berm Requirement Chart | | |
|---|---|--|
| Use | Zoning | Berm Height |
| Parking | P-1 district Off-Street Parking Area | 4 ft. 6 in. to 6 ft. high |
| Residential/Special Land Use | RM-1, RM-2, and MH districts, churches, schools, nursery schools, day care centers and other uses where special land use approval is required | 4 ft. 6 in. to 6 ft. high |
| Office Service/Tech | OST, OS-1, and OSC districts | 4 ft. 6 in. high to 6 foot high |
| Commercial | B-1, B-2, B-3, RC, and NCC districts | 6 ft. to 8 ft. high |
| EXPO, EXO district | EXPO district | 8 ft. to 10 ft. high |
| Conference | C district | 8 ft. to 10 ft. high |
| Freeway Service | FS district | 8 ft. to 10 ft. high |
| Town Center | (a.) TC and TC-1 districts | 6 ft. high wall |
| | (b.) TC-1 and RM-2 districts | 6 ft. high wall |
| Industrial | I-1 district | 10-15 ft. ht. berm, 6 ft. crest width, 80% winter/90% summer opacity (See Section 3.14.5.E) |
| | I-2 district | 15 ft. ht. berm, 15 ft. crest width, 80% winter/90% summer opacity (See Section 3.15.2.C) |
| | Special Land Use | 10ft. ht. berm, 6ft. crest width, 80% winter/90% summer opacity (See Section 3.14.5.E) |
| Auto Wash, Drive-In Restaurants, Service Stations, and Planned Commercial Centers and Regional Shopping Centers | Where permitted or approved | 10 ft. to 15 ft. |
| Hospital-Ambulance and Delivery Areas | Where permitted or approved | 6 ft. high |
| Utility Buildings, Stations, and/or Substations | Where permitted or approved | 6 ft. high |



- iii. Exceptions. Obscuring landscaped berms and walls are not required to separate identically zoned uses or where uses are separated by a street, road, highway, or freeway.
- iv. Placement. The berm or wall is required to be on the property seeking approval. The berm may be placed upon the adjacent residential property in order to provide continuity with an adjoining berm. In that case, a recorded permanent easement and a maintenance agreement in a form acceptable to the City Attorney will be required from the adjacent property owner.
- v. Berm Requirements. The obscuring berm requirements are as follows:
 - a. The berm height shall be measured as follows:
 - (1) The berm height, as specified in the [Residential Adjacent to Nonresidential Berm Requirement Chart \(Table 5.5.3.A.ii\)](#), shall be analyzed from the following locations, and the final measurement of the berm shall be made from that location which results in the maximum screening:
 - [i] The first-floor elevation of the closest adjacent principal structures;
 - [ii] The first-floor elevation of the uses requiring screening;
 - [iii] The elevation of the parking lots closest to the property line when only the parking area requires screening; or
 - [iv] The elevation of the nearest property line.

Where a range of height is stated for a use on the Chart, the basic berm height shall be deemed to be the lower measurement, with approving body of the City having the discretion to increase the height up to the higher measurement based upon an application of the following considerations on the non-residential property: intensity of use; noise generation customarily associated with the use; height and aesthetic appearance of buildings and structures; topography; distance of buildings, structures and activities from the common property line; and, the extent of disharmony with the adjoining residential use as a result of other considerations.

- (2) The site plan shall include the first-floor elevation of all adjacent principal structures within two-hundred (200) feet of the subject site's property lines.
- (3) Where the applicant demonstrates, and the Planning Commission finds, that practical difficulties would result from the strict application of berm height standards, as required herein, the Planning Commission may reduce the height of the berm, or eliminate the berm, and may approve an alternate plan which includes landscape treatment or a wall (subject to [Section 5.5.3.A.vi](#) below), or a combination of the two, provided that the approved alternate plan achieves adequate noise attenuation and obscuring screening. The Planning Commission may also reduce the height of the berm, or eliminate the berm, where it determines that an alternative design utilizing landscaping or other materials, including a wall subject to [Section 5.5.3.A.vi](#)

below, provides adequate and effective noise attenuation and screening, or where such alternative design provides a substantial aesthetic or site design benefit while still providing for noise attenuation and screening to the extent reasonably practicable. The intent of this Section is not to encourage and allow elimination or reduction of berm height for the sake of convenience or cost savings, but rather to allow reasonable development while achieving design excellence not otherwise possible under these requirements.

- b. The berm shall be natural in appearance and have overlapping and undulating changes in elevation, both horizontally and vertically, without compromising the minimum height requirement and/or intent of the berm. Where a range of height is stated on the chart for a use, and the approving body determines berm height based upon the criteria specified in [sub-paragraph v.\(a\)](#), above, the height of the undulations on the berm shall be determined by the approving body as part of site plan approval, taking into consideration the location of improvements and activities to be screened, and the criteria in [sub-paragraph v.\(a\)](#), above.
- c. The obscuring berm shall have no greater than a maximum slope of thirty-three (33) percent. (3 feet of horizontal plane for each 1 foot of vertical height.) More gradual slopes are strongly encouraged.
- d. Plants shall be specified for any "no mow" areas.
- e. The crest of the obscuring berm shall have a nearly flat horizontal area of at least five (5) feet in width. (See the previous Berm Requirement Chart for exceptions.)

- f. The required earth berm shall be located at the lot line, except where such location would interfere with underground utilities or drainage.
- g. Where an existing or proposed parking or vehicular use area abuts an existing berm or wall or other durable landscape barrier on an abutting property, said existing landscaping may be used to satisfy the landscape requirements of this [Section 5.5](#), provided that it meets all applicable noise attenuation and obscuring screening standards of this Section, and provided that the existing berm, wall, or other durable landscape barrier is required to be maintained consistent with the terms of this Section of the Ordinance and consistent with the approved site plan. Where the existing berm, wall, or other durable landscape barrier is not otherwise required to be maintained in connection with the adjacent property, the applicant shall be responsible for such maintenance and shall obtain and record a permanent easement and maintenance agreement from the adjoining property owner in a form approved by the City Attorney, making provision for such maintenance.
- h. Where a property has already been lawfully developed for one of the uses listed in the [Residential Adjacent to Non-Residential Berm Requirement Chart \(Table 5.5.3.A.ii\)](#), adjacent residential property which subsequently develops shall provide and maintain the necessary berm.
- i. [See Landscape Design Manual for additional requirements.](#)



vi. Wall Requirements.

- a. Freestanding walls shall have all exterior sides constructed of face brick or stone with a suitable cap, and the interior constructed of masonry or reinforced concrete. The Planning Commission may consider materials of equal durability and aesthetic quality.
- b. Walls shall be designed to resist the pressure of the retained material, including both live and dead loads to which they may be subject. Foundations shall be designed to prevent movement due to frost action and a suitable drainage system shall be provided to assure stability. Walls that are greater than 3½ feet in height shall be designed and sealed by a professional design or structural engineer. Walls shall not cause flooding or impound water at any time and are subject to final site plan review. (See Design and Construction Standards ([Chapter 11, Novi Code of Ordinances](#)).
- c. All other obscuring conditions of this subsection and the [Landscape Design Manual](#) must be met.
- d. Timber, boulder, and interlocking retaining walls are permitted for the purpose of terracing.

- vii. Waiver of Landscaped Berm or Wall for Preservation of Wooded Area. The Planning Commission may waive the requirement for an earth berm or obscuring wall adjacent to a residential use district when the proposed development includes the retention of an existing regulated or non-regulated wooded area adjacent to the residential district, or when an existing regulated or non-regulated wooded area is preserved on the adjacent residential property. In either case, the owners of all such area(s), including the owners of the adjacent residential property, shall provide a permanent preservation easement, including requirements for perpetual maintenance and replacement of woodland features, in recordable form acceptable to the City Attorney for such wooded area, and provided all the following conditions are met:

- a. The retained wooded area will provide effective screening consistent with the opacity for visual screening requirements of this Ordinance and intent of this Section.
- b. The retained wooded area shall be of a depth and height equal to or greater than the screening requirement being waived.
- c. The failure to retain the wooded area will have a negative impact on the preservation of woodlands within the City of Novi.
- d. The retained wooded area has been inspected and evaluated by the City relative to the health and desirability of the existing plant material.
- e. The Planning Commission may require, during construction phases, as a condition to the waiver, additional and/or modified plantings and/or the erection of a temporary chain link fence within or adjacent to the preserved wooded area to meet the opacity requirements and/or other objectives of this Section, and, in the event all or part of the retained wooded area is removed, destroyed, diminished, or altered in any manner such that it no longer provides the screening required under this Section, the berm or wall shall be installed at the applicant's (or its successor's) expense or additional screening material may be required by the City to be installed and maintained at the applicant's (or its successor's) expense in order to achieve the screening objective under this Section.

B. Adjacent to Public Rights-of-Way

- i. Intent. The intent of the landscape planting buffer requirements along public rights-of-way is to improve the appearance of the rights-of-way including screening off-street parking and vehicular use areas of property abutting public rights-of-way.