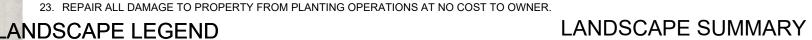


LANDSCAPE NOTES

- . CONTRACTOR SHALL CONTACT COMMON GROUND ALLIANCE AT 811 OR CALL811.COM TO VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO INSTALLATION OF ANY PLANTS OR LANDSCAPE MATERIAL.
- ACTUAL LOCATION OF PLANT MATERIAL IS SUBJECT TO FIELD AND SITE CONDITIONS.
- NO PLANTING WILL BE INSTALLED UNTIL ALL GRADING AND CONSTRUCTION HAS BEEN COMPLETED IN THE IMMEDIATE AREA.
- ALL SUBSTITUTIONS MUST BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO SUBMISSION OF ANY BID AND/OR QUOTE BY THE LANDSCAPE CONTRACTOR. CONTRACTOR SHALL PROVIDE TWO YEAR GUARANTEE OF ALL PLANT MATERIALS. THE GUARANTEE BEGINS ON THE DATE OF THE LANDSCAPE ARCHITECT'S OR OWNER'S WRITTEN ACCEPTANCE OF THE INITIAL
- PLANTING. REPLACEMENT PLANT MATERIAL SHALL HAVE A ONE YEAR GUARANTEE COMMENCING UPON PLANTING. ALL PLANTS TO BE SPECIMEN GRADE, INDIANA-GROWN AND/OR HARDY. SPECIMEN GRADE SHALL ADHERE TO, BUT IS NOT LIMITED BY, THE FOLLOWING STANDARDS:
- ALL PLANTS SHALL BE FREE FROM DISEASE, PESTS, WOUNDS, SCARS, ETC. ALL PLANTS SHALL BE FREE FROM NOTICEABLE GAPS, HOLES, OR DEFORMITIES. ALL PLANTS SHALL BE FREE FROM BROKEN OR DEAD BRANCHES.
- ALL PLANTS SHALL HAVE HEAVY, HEALTHY BRANCHING AND LEAFING. CONIFEROUS TREES SHALL HAVE AN ESTABLISHED MAIN LEADER AND A HEIGHT TO WIDTH RATIO OF NO LESS THAN 5:3.
- PLANTS TO MEET AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z60.1-2014 OR MOST CURRENT VERSION) REQUIREMENTS FOR SIZE AND TYPE SPECIFIED.
- 8. PLANTS TO BE INSTALLED AS PER ANSI STANDARD PLANTING PRACTICES.
- 9. PLANTS SHALL BE IMMEDIATELY PLANTED UPON ARRIVAL AT SITE. PROPERLY HEEL-IN MATERIALS IF NECESSARY; TEMPORARY ONLY. 0. PRIOR TO PLANTING, FIELD VERIFY THAT THE ROOT COLLAR/ROOT FLAIR IS LOCATED AT THE TOP OF THE BALLED & BURLAP TREE. IF THIS IS NOT THE CASE, SOIL SHALL BE REMOVED DOWN TO THE ROOT COLLAR/ROOT FLAIR. WHEN THE BALLED & BURLAP TREE IS PLANTED, THE ROOT COLLAR/ROOT FLAIR SHALL BE EVEN OR SLIGHTLY ABOVE FINISHED GRADE.
- 1. OPEN TOP OF BURLAP ON BB MATERIALS; REMOVE POT ON POTTED PLANTS; SPLIT AND BREAK APART PEAT POTS. 12. PRUNE PLANTS AS NECESSARY - PER STANDARD NURSERY PRACTICE AND TO CORRECT POOR BRANCHING OF EXISTING AND PROPOSED TREES.
- 13. WRAP ALL SMOOTH-BARKED TREES FASTEN TOP AND BOTTOM. REMOVE BY APRIL 1ST.
- 14. STAKING OF TREES AS REQUIRED; REPOSITION, PLUMB AND STAKE IF NOT PLUMB AFTER ONE YEAR. . THE NEED FOR SOIL AMENDMENTS SHALL BE DETERMINED UPON SITE SOIL CONDITIONS PRIOR TO PLANTING. LANDSCAPE CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT FOR THE NEED OF ANY SOIL
- 6. BACKFILL SOIL AND TOPSOIL TO ADHERE TO BE LOCAL FERTILE AGRICULTURAL SOIL FREE OF CLAYS, ROOTS, ROCKS LARGER THAN ONE INCH, SUBSOIL DEBRIS, LARGE WEEDS, AND OTHER IMPURITIES. MINIMUM 4"
- DEPTH TOPSOIL FOR ALL LAWN GRASS AREAS AND 12" DEPTH TOPSOIL FOR TREE, SHRUBS, AND PERENNIALS. . MULCH TO BE AT ALL TREE, SHRUB, PERENNIAL, AND MAINTENANCE AREAS. TREE AND SHRUB PLANTING BEDS SHALL HAVE 4" DEPTH OF DOUBLE SHREDDED HARDWOOD MULCH. DOUBLE SHREDDED HARDWOOD
- MATERIAL AND COLORED RED, OR APPROVED EQUAL. ROCK MULCH TO BE BUFF LIMESTONE, 1 1/2" TO 3" DIAMETER, AT MINIMUM 3" DEPTH, OR APPROVED EQUAL. ROCK MULCH TO BE ON COMMERCIAL GRADE FILTER FABRIC, BY TYPAR, OR APPROVED EQUAL WITH NO EXPOSURE. MULCH AND FABRIC TO BE APPROVED BY OWNER PRIOR TO INSTALLATION. MULCH TO MATCH EXISTING CONDITIONS (WHERE APPLICABLE). 3. EDGING TO BE COMMERCIAL GRADE VALLEY-VIEW BLACK DIAMOND (OR EQUAL) POLY EDGING OR SPADED EDGE, AS INDICATED. POLY EDGING SHALL BE PLACED WITH SMOOTH CURVES AND STAKED WITH METAL SPIKES NO GREATER THAN 4 FOOT ON CENTER WITH BASE OF TOP BEAD AT GRADE, FOR MOWERS TO CUT ABOVE WITHOUT DAMAGE. UTILIZE CURBS AND SIDEWALKS FOR EDGING WHERE POSSIBLE. SPADED EDGE
- TO PROVIDE V-SHAPED DEPTH AND WIDTH TO CREATE SEPARATION BETWEEN MULCH AND GRASS. INDIVIDUAL TREE, SHRUB, OR RAIN-GARDEN BEDS TO BE SPADED EDGE, UNLESS NOTED OTHERWISE. EDGING TO MATCH EXISTING CONDITIONS (WHERE APPLICABLE). 9. ALL DISTURBED AREAS TO BE SODDED OR SEEDED, UNLESS OTHERWISE NOTED. PARKING LOT ISLANDS TO BE SODDED WITH SHREDDED HARDWOOD MULCH AROUND ALL TREES AND SHRUBS. SOD TO BE
- D. PROVIDE IRRIGATION TO ALL PLANTED AREAS ON SITE. IRRIGATION SYSTEM TO BE DESIGN/BUILD BY LANDSCAPE CONTRACTOR. LANDSCAPE CONTRACTOR TO PROVIDE SHOP DRAWINGS TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION OF IRRIGATION SYSTEM. CONTRACTOR TO PROVIDE OPERATION MANUALS, AS-BUILT PLANS, AND NORMAL PROGRAMMING. SYSTEM SHALL BE WINTERIZED AND
- 1. CONTRACTOR SHALL PROVIDE NECESSARY WATERING OF PLANT MATERIALS UNTIL THE PLANT IS FULLY ESTABLISHED OR IRRIGATION SYSTEM IS OPERATIONAL. OWNER WILL NOT PROVIDE WATER FOR
- 22. REPAIR, REPLACE, OR PROVIDE SOD/SEED AS REQUIRED FOR ANY ROADWAY BOULEVARD AREAS ADJACENT TO THE SITE DISTURBED DURING CONSTRUCTION.



EXISTING SHRUB TO REMAIN (TYP.)

PROPOSED SHRUB

PARKWAY PLANTING 1 TREE PER 30 LF PUBLIC R.O.W. FRONTAGE REQUIRED TREES: CALUMET AVE 6 TREES= (175 LF/ 30) EXISTING DECIDUOUS TREE TO REMAIN (TYP.) 20 TREES= (602 LF/30) **BROADMOOR AVE EUCLID AVE** 26 TREES= (771 LF/30) PROVIDED TREES: CALUMET AVE: BROADMOOR AVE 20 TREES (18 EXISTING, 2 PROPOSED) **EUCLID AVE** 41 TREES (41 EXISTING) PARKING LOT SCREENING PLANTING PROPOSED TREE (TYP.)

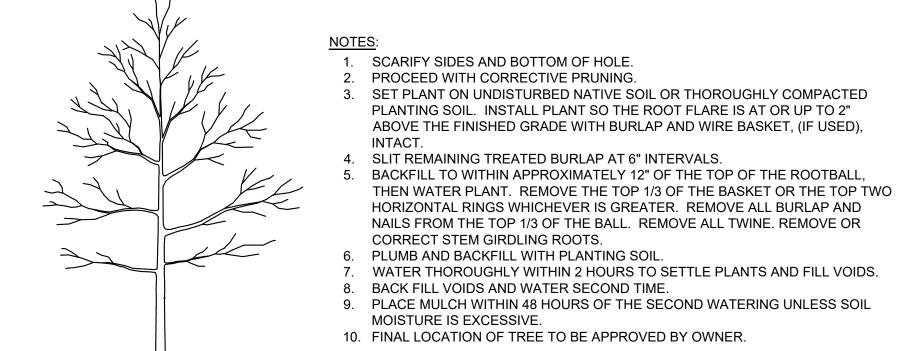
> REQUIRED TREES: 1 TREE PER 30 LF** PROVIDED TREES: SEE PLAN INTERIOR PARKING LOT AND VEHICULAR USE AREA INTERNAL PLANTING***

> > 73 TREES (64 EXISTING, 9 PROPOSED)

REQUIRED LANDSCAPE AREA: 23,451 SF (234,510 S.F. PARKING LOT AREA * 0.1) EXISTING CONIFEROUS TREE TO REMAIN (TYP.) REQUIRED TREES: 188 TREES (23,451/ 125) PROVIDED LANDSCAPE AREA: 12,976 SF

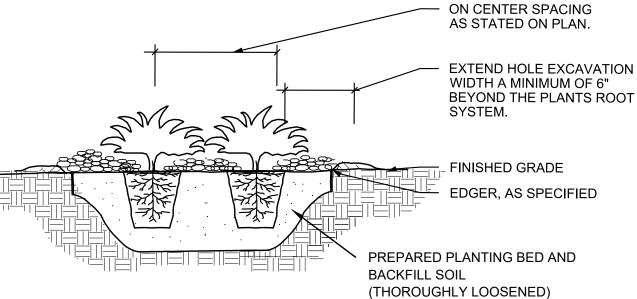
PROVIDED TREES:

*FRONTAGE ALONG CALUMET AVE. IS UNABLE TO SUPPORT 6 TREES DUE TO MAIN ENTRY DRIVE INTO COMMERCIAL DEVELOPMENT AND EXISTING UTILITIES IN AVAILABLE PLANTING SPACE. **REQUIREMENT MAY BE COMBINED WITH PARKWAY PLANTING REQUIREMENT AS LONG AS ONE CONTINUOUS LINE OF TREES IS PLANTED. PROPOSED PERENNIALS (TYP.) ***DUE TO EXISTING SITE CONSTRAINTS, INTERNAL PLANTING REQUIREMENT NOT ABLE TO BE MET. LANDSCAPE ADDED WHERE ABLE TO AMEND EXISTING CONDITIONS.



2X ROOT BALL WIDTH DOUBLE SHREDDED HARDWOOD MULCH

TREE PLANTING DETAIL

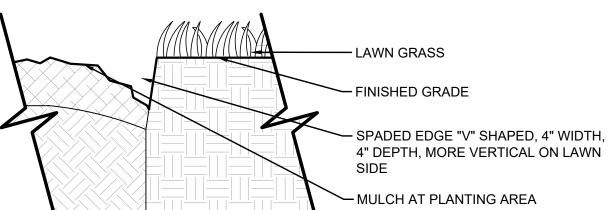


1. SCARIFY SIDES AND BOTTOM OF HOLE. 2. PROCEED WITH CORRECTIVE PRUNING OF REMOVE CONTAINER AND SCORE OUTSIDE OF SOIL MASS TO REDIRECT AND PREVENT CIRCLING FIBROUS ROOTS. REMOVE OR CORRECT STEM GIRDLING ROOTS. PLUMB AND BACKFILL WITH PLANTING SOIL WATER THOROUGHLY WITHIN 2 HOURS TO

6. BACK FILL VOIDS AND WATER SECOND 7. PLACE MULCH WITHIN 48 HOURS OF THE SECOND WATERING UNLESS SOIL MOISTURE IS EXCESSIVE. 8. MIX IN 3-4" OF ORGANIC COMPOST.

SETTLE PLANTS AND FILL VOIDS.

SHRUB / PERENNIAL PLANTING DETAIL



SPADED EDGE DETAIL

The undersigned acknowledges that the landscape planting plan shown on the attached landscape plan(s) for the property at 8005 Calumet Ave, Town of Munster, Indiana has to the best of the undersigned applicant's knowledge, been designed and will be installed, maintained and replaced as required by current and subsequent owners in accordance with the requirements of the Town of Munster Municipal

Code, the landscaping standards of the Town of Munster Zoning Ordinance, and the Guide to the Town of Munster Landscape Ordinance. Existing parkway and on-site interior trees are to be protected while project is under construction and will be replaced by current and subsequent owner if damaged.

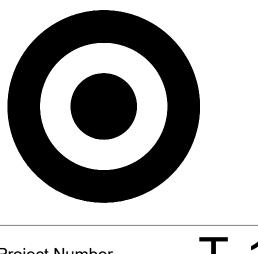
Sworn statement by registered landscape architect commits to the preparation of the landscape plan in the following form:

The undersigned landscape architect, registered in the State of Indiana, acknowledges that the landscape planting plan and construction details shown on the attached landscape plan(s) for the property at 8005 Calumet Ave, Town of Munster, Indiana has been designed in accordance with the requirements of the Town of Munster Municipal Code, the landscaping standards of the Town of Munster Zoning Ordinance, and the Guide to the Town of Munster Landscape Ordinances.

1000 NICOLLET MALL MINNEAPOLIS, MN 55403



10/04/19 0 LANDSCAPE VARIANCE APPLICATION 10/10/19 1 LANDSCAPE VARIANCE APPLICATION LANDSCAPE UPDATE



Proto:P400 Version:V13A Config:RL Drawn By RAH/ KED Checked By

> FOCUSED SITE/ LANDSCAPE PLAN