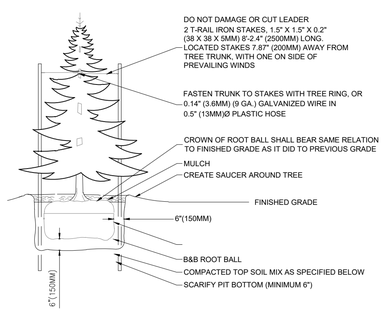
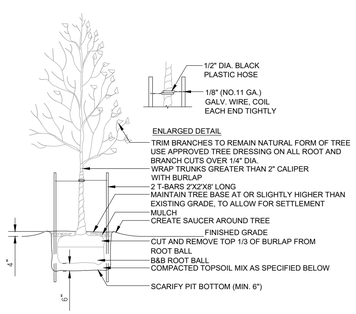
PLANT MATERIAL CALCULATIONS TABLE

ZONING CLASSIFICATION, TOWN OF PLAINFIELD - GC, GENERAL COMMERCIAL	PLANT MATERIAL REQUIREMENTS ARE SET FORTH BY THE TOWN OF PLAINFIELD ZONING ORDINANCE	
	REQUIRED	PROVIDED
REQUIRED YARDS	NORTH - LEVEL 1 PLANTINGS SHALL EXCEED A PLANT UNIT VALUE OF 1.0 FOR EACH 100 LF. 268' / 100 = **PLANT UNIT VALUE OF 2.68 TOTAL** SOUTH - LEVEL 1 PLANTINGS SHALL EXCEED A PLANT UNIT VALUE OF 1.0 FOR EACH 100 LF. 346' / 100 = **PLANT UNIT VALUE OF 3.46 TOTAL** EAST - LEVEL 1 PLANTINGS SHALL EXCEED A PLANT UNIT VALUE OF 1.0 FOR EACH 100 LF. 130' / 100 = **PLANT UNIT VALUE OF 1.30 TOTAL** WEST - LEVEL 1 PLANTINGS SHALL EXCEED A PLANT UNIT VALUE OF 1.0 FOR EACH 100 LF. 238' / 100 = **PLANT UNIT VALUE OF 2.38 TOTAL**	NORTH - 4, 2.5" SHADE TREE, **PLANT UNIT VALUE OF 3.0** SOUTH - 2, 6' EVERGREEN TREES AND 6 EXISTING 4" EVERGREEN TREES, **PLANT UNIT VALUE OF 3.5** EAST - 3, 1.5" ORNAMENTAL TREE, **PLANT UNIT VALUE OF 1.5** WEST - 3, 2.5" SHADE TREE, 1 EXISTING 3" SHADE TREE , **PLANT UNIT VALUE OF 3.0**
BUILDING FOUNDATION	FOUNDATION PLANTING AREAS SHALL HAVE A TOTAL AREA IN SQUARE FEET OF NOT LESS THAN TWO FEET TIMES THE LENGTH OF THE WALL (TWO FEET X LENGTH OF WALL = AREA FOR FOUNDATION PLANTING) TO WHICH THE FOUNDATION PLANTING IS ORIENTED; NORTH - LEVEL 1 PLANTINGS SHALL EXCEED A PLANT UNIT VALUE OF 1.0 FOR EACH 100 LF. 105' * 2SF = **210 SF OF PLANTING BED** 105' / 100 = **PLANT UNIT VALUE OF 1.05 TOTAL** SOUTH - LEVEL 1 PLANTINGS SHALL EXCEED A PLANT UNIT VALUE OF 1.0 FOR EACH 100 LF. 105' * 2SF = **210 SF OF PLANTING BED** 105' / 100 = **PLANT UNIT VALUE OF 1.05 TOTAL** EAST - LEVEL 1 PLANTINGS SHALL EXCEED A PLANT UNIT VALUE OF 1.0 FOR EACH 100 LF. 100' * 2SF = **200 SF OF PLANTING BED** 100' / 100 = **PLANT UNIT VALUE OF 1.0 TOTAL** WEST - LEVEL 1 PLANTINGS SHALL EXCEED A PLANT UNIT VALUE OF 1.0 FOR EACH 100 LF. 100' * 2SF = **200 SF OF PLANTING BED** 100' / 100 = **PLANT UNIT VALUE OF 1.0 TOTAL**	NORTH - **600 SF OF BED AREA** 22, 24" SHRUB, **PLANT UNIT VALUE OF 1.10** SOUTH - **>200 SF OF BED AREA** 22, 24" SHRUB, **PLANT UNIT VALUE OF 1.10** EAST - **>200 SF OF BED AREA** 21, 24" SHRUB, **PLANT UNIT VALUE OF 1.05** WEST - **>200 SF OF BED AREA** 21, 24" SHRUB, **PLANT UNIT VALUE OF 1.05**
PARKING LOT PERIMETER	IF A PARKING AREA IS LOCATED BETWEEN A BUILDING AND A REQUIRED FRONT YARD OR BETWEEN A BUILDING AND A REQUIRED FRONT, SIDE OR REAR BUFFERYARD, THE SIDE OF THE PARKING AREA FACING THE FRONT YARD OR THE FRONT, SIDE OR REAR BUFFERYARD SHALL BE SCREENED.	NORTH - 24" HIGH SHRUB ROW. SHRUBS ARE SPACED AT 3' O.C. WEST - 24" HIGH SHRUB ROW. SHRUBS ARE SPACED AT 3' O.C.
PARKING LOT INTERIOR	ONE LANDSCAPE ISLAND MEASURING EIGHT FEET BY 18 FEET MINIMUM FOR EVERY 15 PARKING SPACES AND 1 TREE IN EACH ISLAND.	2 INTERIOR ISLAND AND 2 END ISLANDS. 4 TREES TOTAL.
DUMPSTER / MECHANICAL SCREENING	36" HIGH VEGETATIVE SCREEN, MAINTAINED HEIGHT.	VEGETATIVE SCREEN



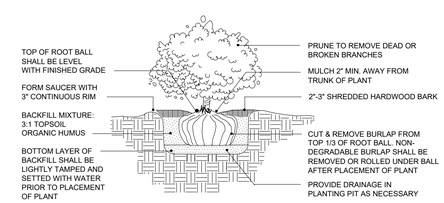
SPECIFICATIONS:
1. DO NOT DAMAGE MAIN ROOTS OR DESTROY ROOT BALL WHEN INSTALLING TREE STAKE.
2. WATER THOROUGHLY AFTER INSTALLATION.
3. REMOVE TREE RINGS AND STAKES TWO YEARS AFTER INSTALLATIONS
4. PROVIDED DRAINAGE FOR PLANTING PIT IN IMPERMEABLE SOIL.
5. TOPSOIL MIX, TOP 6" OF SOIL TO BE A 50/50 MIX OF NATIVE SOIL AND GENERAL PLANTING MIX.

CONIFEROUS TREE PLANTING DETAIL

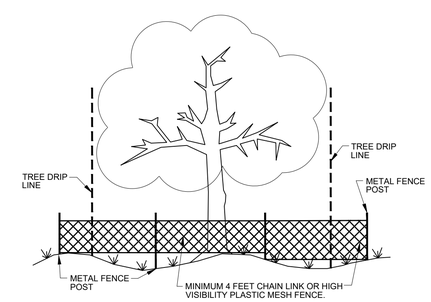


SPECIFICATIONS:
1. TOPSOIL MIX. TOP 6 INCHES OF SOIL TO BE A 50/50 MIX OF NATIVE SOIL AND GENERAL PLANTING MIX.
2. DO NOT DAMAGE MAIN ROOTS OR DESTROY ROOT BALL WHEN INSTALLING TREE STAKE.
3. WATER THOROUGHLY AFTER INSTALLATION.
4. REMOVE TREE RINGS AND STAKES TWO YEARS AFTER INSTALLATION.
5. PROVIDE DRAINAGE FOR PLANTING PIT IN IMPERMEABLE SOIL.
6. ALL TREES MUST BE TAGGED AND APPROVED BY CONSULTANT WITHIN 14 DAYS AFTER TENDER CLOSING.

DECIDUOUS TREE PLANTING DETAIL



SHRUB PLANTING DETAIL



GUIDELINES AND NOTES:
1. TREE PROTECTION FENCES SHALL BE 4 FEET HIGH MINIMUM CHAIN LINK FENCE OR HIGH VISIBILITY PLASTIC MESH CONSTRUCTION FENCING.
2. ERECT FENCE BARRIERS AROUND ALL "SAVED" TREES NEAR THE CONSTRUCTION ACTIVITY.
3. FENCE BARRIERS SHALL BE PLACED OUTSIDE THE DRIP LINE AS FAR FROM THE TREE AS CONSTRUCTION PERMITS.
4. FENCE POSTS SHALL BE PLACED NO FURTHER THAN 15 FEET APART.
5. NO STAGING OF MATERIALS OR GRADING SHALL OCCUR WITHIN THE FENCED TREE PROTECTION AREA.

TREE PRESERVATION / PROTECTION DETAIL

FRITZ ENGINEERING SERVICES
14020 MISSISSINEWA DRIVE
CARMEL, INDIANA 46033
P: 317.324.8695 F: 317.324.8717
www.Fritz-Eng.com

SHTON
PRELIMINARY NOT FOR CONSTRUCTION
STATE OF INDIANA
PROFESSIONAL ENGINEER

REVISIONS AND ISSUES	DATE	BY

GENERAL NOTES / LEGEND:

"IT'S THE LAW"
811
Know what's below.
Call before you dig.
2 WORKING DAYS BEFORE YOU DIG.

PROJECT:
KID CITY PLAINFIELD

PROJECT LOCATION:
147 MEIJER DR.
TOWN OF PLAINFIELD, INDIANA 46168
HENDRICKS COUNTY

SECTION, TOWNSHIP, RANGE:
SE ¼, S26, T15N, R1E

CLIENT:
metaCRE
841 E. 64TH ST. STE. 201
INDIANAPOLIS, INDIANA 46220

PLAN DATE: 1/4/2024		
DESIGN: AF	CHECK: AF	DRAWN: KG
PROJECT NO. 2310004		
SHEET NAME: **LANDSCAPE DETAILS**		
SHEET NO. **L102**		

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PRINTED BY: Andrew Frey
DATE: 1/4/2024 10:58 AM
SCALE: 1" = 20' (ON 24x36 SHEETS) FULL BLEED D (36.00 X 22.00 INCHES) 1:1
FILE NAME: P:\2022\2310004 - PLAINFIELD DWT\CAD\ECO CIVIL\PLANS\LSV DWG, LAYOUT: L102