Tree Protection Plan

Gallagher PK-8 School

6601 Franklin Boulevard

Cleveland, Ohio 44102

January 10, 2023

Assignment: Assess trees deemed to be retained during construction for successful outcome through a Tree Protection Plan.

On January 9, 2023 I met with Andrew Steingass and Lorena Kuci to review the trees on site. The impacts from the project were described to me.

My report designates trees to be removed due to proximity to construction and or the trees health condition. When tree roots or tree canopy will be severely disturbed or when a tree is found to be in Fair to Poor condition it is a candidate for removal.

When I assess a tree that is in Good condition, I will advise methods to protect the tree during construction.

Tree protection recommendations for this project include a sturdy immovable fence set at the furthest distance allowable due to parking lots and streets and a prescribed pruning to remove deadwood, raise canopy and allow for the utility wire placement along Franklin Blvd. Trees that require fencing are in parking lot islands that fit the requirement for a zone of protection (approximately 20' wide or more).

Recommendations were guided by these ISA publication: 'Managing Trees during construction Best Management Practices', 'Trees and Development: A technical Guide to Preservation of Trees During Land Development' and 'Reducing Infrastructure Damage by Tree Roots'.

The accompanying excel spread sheet designates locations, tree descriptions and recommendations for preservation or removal.

On site decisions were made in conjunction with Andrew and Lorena. The Burning bush and Hawthorn plantings along the parking lot adjacent to Franklin Blvd can be removed. This area will be redesigned.

The row of 8 Acer platanoides trees that edge the walking track were discussed at length. It was previously determined that the first and last of the row will be removed. The middle six trees are what we discussed:

~Actions needed to retain the trees include-Cut roots at 7'-8' from the base of the 12"to 13" dbh trees, install root barrier to keep future roots away from new track, prune canopy to ensure no damage is done by the construction vehicles using the track as an access road to building. Install protection fence 7' from base on walking track side and 15' in other directions with signage. All are acceptable actions to take.

~Reasons for removal-Tree roots may still reach the track, tree canopy shape may be aesthetically damaged due to the construction vehicles (possible diesel exhaust).

All the Maple trees are in Good condition and Mature, approximately mid-life, one has problematic stem girdling roots, a common malady for this species that leads to serious decline in later years.

All tree have damaged above ground roots due to years of mowing over them and hitting them.

The removal of the trees will take away a row of mature trees and the benefits they provide for the site.

My recommendation is to retain the six Acer platanoides (Norway Maples). A fence approximately 12' wide and 175' long will be needed to protect the trees. Pruning back the canopy along the track will keep them out of the way of the construction vehicles. Adding a mulch layer under the canopy will help the trees.

Respectfully,

David Allen

Board Certified Master Arborist oh 0171

Municipal Specialist

Tree Risk Assessor Qualified

thepruneco@gmail.com

440-749-7420

Gallagher School
Tree Preservation Plan

Tree location/#	Species	Common Name	canopy	dbh	condition	Pre care	After care	Concerns
w 69 & Franklin	Platanus acerifolia	London Plane	58'	26"	G	prune/fence	enlarge pit	
entrance on W 69th	Gleditsia tr.	Honey Locust	31'	19"	G	prune/fence		
entrance on W 69th	Gleditsia tr.	Honey Locust	30'	16"	G	prune/fence		
entrance on W 69th	Gleditsia tr.	Honey Locust	28'	19"	G	prune/fence		
Bridge & W 69	Acer platanoides	Norway Maple	26'	15"	P	REMOVE		
Bridge & W 69	Acer platanoides	Norway Maple	25'	16"	P	REMOVE		
Bridge & W 69	Crateagus sp.	Hawthorn	20'	10"	G	Prune		
tree lawn 65th	Acer platanoides	Norway Maple	20'	10"	P	REMOVE		
Row of 6 trees along track	Acer platanoides	Norway Maple	approx 30'	12"	G	Prune, mulch and fence		Construction damage and future root growth

David Allen

11-Jan-23

RENOVATIONS OF
JOSEPH M. GALLAGHER PK-8 SCHOOL

6601 FRANKLIN BLVD., CLEVELAND, OH 44102

TREE PRESERVATION PLAN

JANUARY 13, 2023

CLEVELAND METROPOLITAN SCHOOL DISTRICT

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GREENSPACE CONSTRUCTION SERVICES, LLC.
DESIGN-BUILDER
26650 RENAISSANCE PARKWAY, SUITE 1A, CLEVELAND OHIO 44128

ARCHITECTURAL VISION GROUP, LTD.
23850 SPERRY DRIVE, CLEVELAND OHIO 44145
TEL: 440-808-8520 FAX: 440-808-8301
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LEED CONSULTANT
2945 EUCLID HEIGHTS BOULEVARD, CLEVELAND HEIGHTS, OHIO 44118

DRAWING INDEX

NO.	DESCRIPTION
G-001	COVER SHEET
TP-100	TREE PRESERVATION PLAN
TP-101	TREE PRESERVATION PLAN

AERIAL MAP
NOT TO SCALE

PROJECT NO
2206-1

ARCHITECTURAL VISION GROUP, LTD
ARCHITECTS ◦ PLANNERS
23850 SPERRY DRIVE CLEVELAND, OHIO 44145

PROFESSIONAL SEAL:
STATE OF OHIO
SYED S. ABBAS
10376
Registered Architect
SYED ABBAS, LICENSE #ARC-9310376
EXPIRATION DATE 12/31/2023

CONSULTANT:

RENOVATIONS OF JOSEPH M. GALLAGHER PK-8 SCHOOL
6601 FRANKLIN BLVD. CLEVELAND, OH 44102
CLEVELAND METROPOLITAN SCHOOL DISTRICT

MARK	DATE	DESCRIPTION
01:13:23		TREE PRESERVATION PLAN

ISSUED AS:

PROJECT NO	2206-1
DRAWN BY	
CHECKED BY	
DATE	10/21/22

COVER SHEET

SCALE:

SHEET NO
G-001

LEGEND:

- EXISTING TREE
- EXISTING TREE TO BE REMOVED
- EXISTING TREE TO REMAIN AND BE PROTECTED
- TREE PROTECTION FENCING, SEE PLAN FOR TYPE
- PERIMETER CONSTRUCTION FENCING, TEMPORARY CHAIN-LINK FENCE
- PERIMETER CONSTRUCTION FENCING, TEMPORARY PANEL FENCE.
- CONSTRUCTION PARKING
- TRAILER STORAGE AND LAYDOWN AREA
- CONSTRUCTION DUMPSTER OR TRUCK WASH LOCATION, SEE PLAN FOR CONDITION

Gallagher School
Tree Preservation Plan

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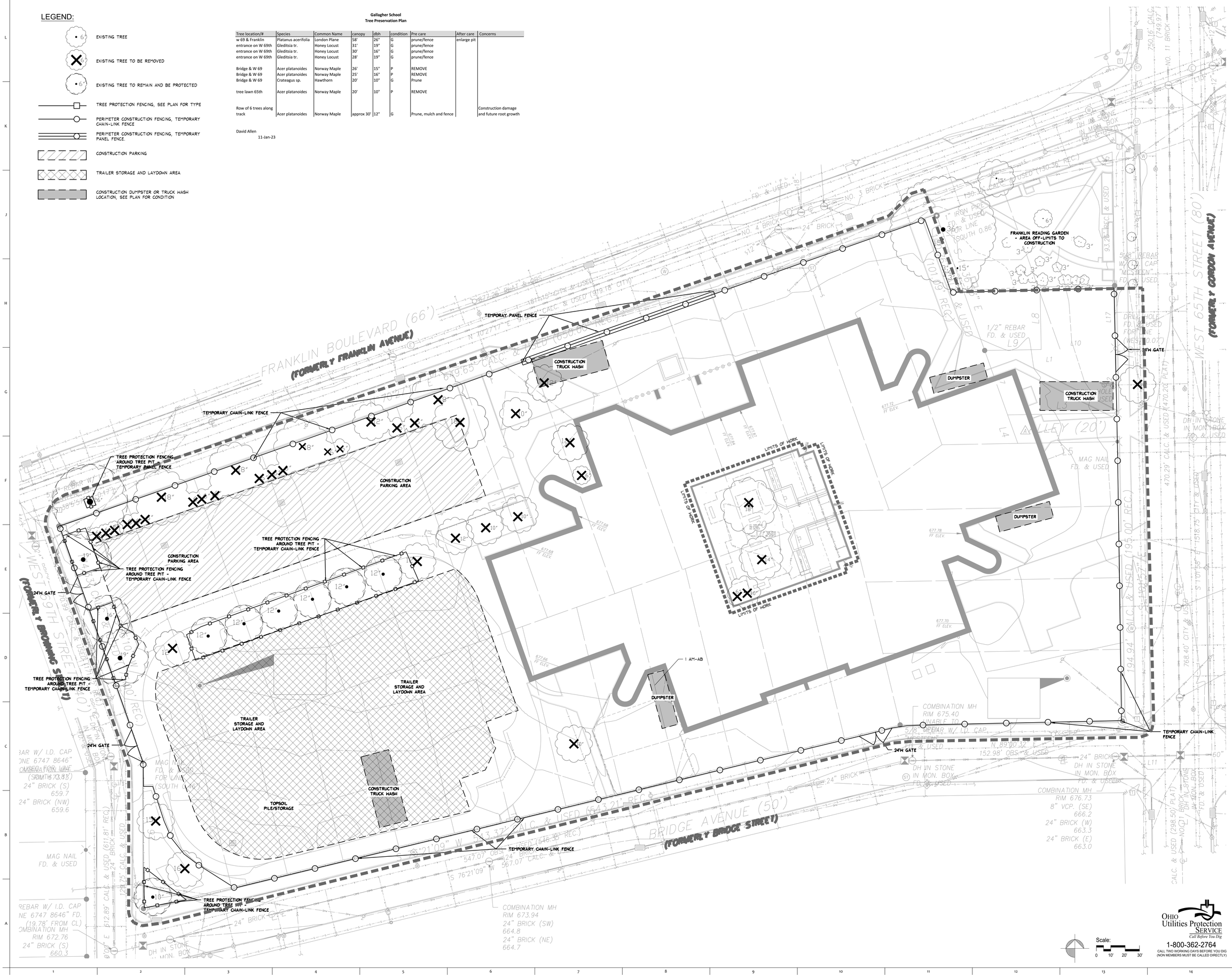
David Allen
11-Jan-23



Scale: 0 10' 20' 30'

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E: info@behnke.com

RENOVATIONS OF JOSEPH M. GALLAGHER PK-8

6601 FRANKLIN BLVD. CLEVELAND, OH 44102
CLEVELAND METROPOLITAN SCHOOL DISTRICT

MARK	DATE	DESCRIPTION
	01/13/23	CITY SUBMISSION

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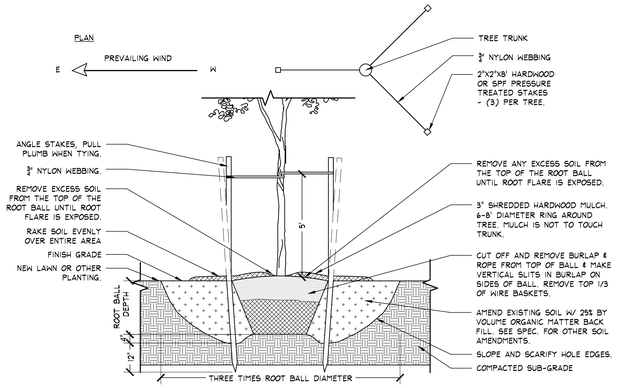
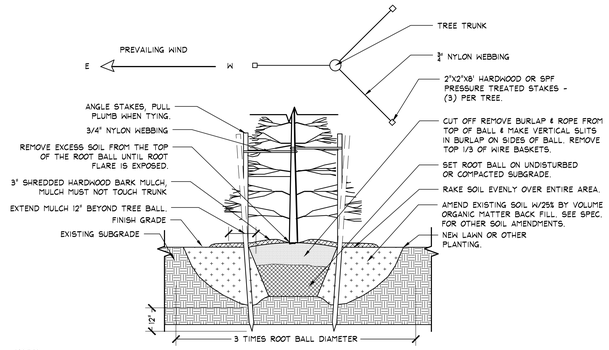
TREE PRESERVATION PLAN

SHEET NO
TP-100



NOTES:
1. SET ALL PLANTS SO ROOT FLARE IS AT OR 1"-2" ABOVE FINISH GRADE.
2. THOROUGHLY TILL AREA EQUAL TO 3 TIMES THE DIAMETER OF THE ROOT BALL AND TO THE DEPTH OF THE ROOT BALL. PRIOR TO TILLING, REMOVE ANY EXISTING LAWN OR OTHER VEGETATION.
3. ALL PLANT MATERIALS SHALL BE IN ACCORDANCE WITH THE AMERICAN STANDARDS FOR NURSERY STOCK (ANSI Z60. 1-2004).
4. HANDLE THE TREE BY ROOT BALL ONLY. DO NOT LIFT USING THE TREE TRUNK AND DO NOT USE TREE TRUNK AS LEVER.
5. BACKFILL AROUND TREE WITH TILLED SOIL AND "WATER IN" BACKFILL IN LAYERS TO SETTLE IN BACKFILL. INSTALL BACKFILL 1" HIGHER THAN SURROUNDING GRADE TO ALLOW FOR SETTLEMENT.
6. PRUNING SHALL BE LIMITED TO DEAD, DISEASED, OR BROKEN LIMBS ONLY AND SHALL BE IN ACCORDANCE WITH ANSI SPECIFICATIONS.
7. REMOVE ANY TRUNK WRAP REMAINING AT TIME OF PLANTING. NO WRAPS SHALL BE PLACED ON TRUNK.
8. REMOVE STAKES AND NYLON TIES AFTER ONE YEAR UNLESS OTHERWISE NOTED.

1 DECIDUOUS TREE PLANTING
Not to Scale



NOTES:
1. REFER TO NOTES 1-8 ON DETAIL 1/THIS SHEET.

2 EVERGREEN TREE PLANTING
Not to Scale

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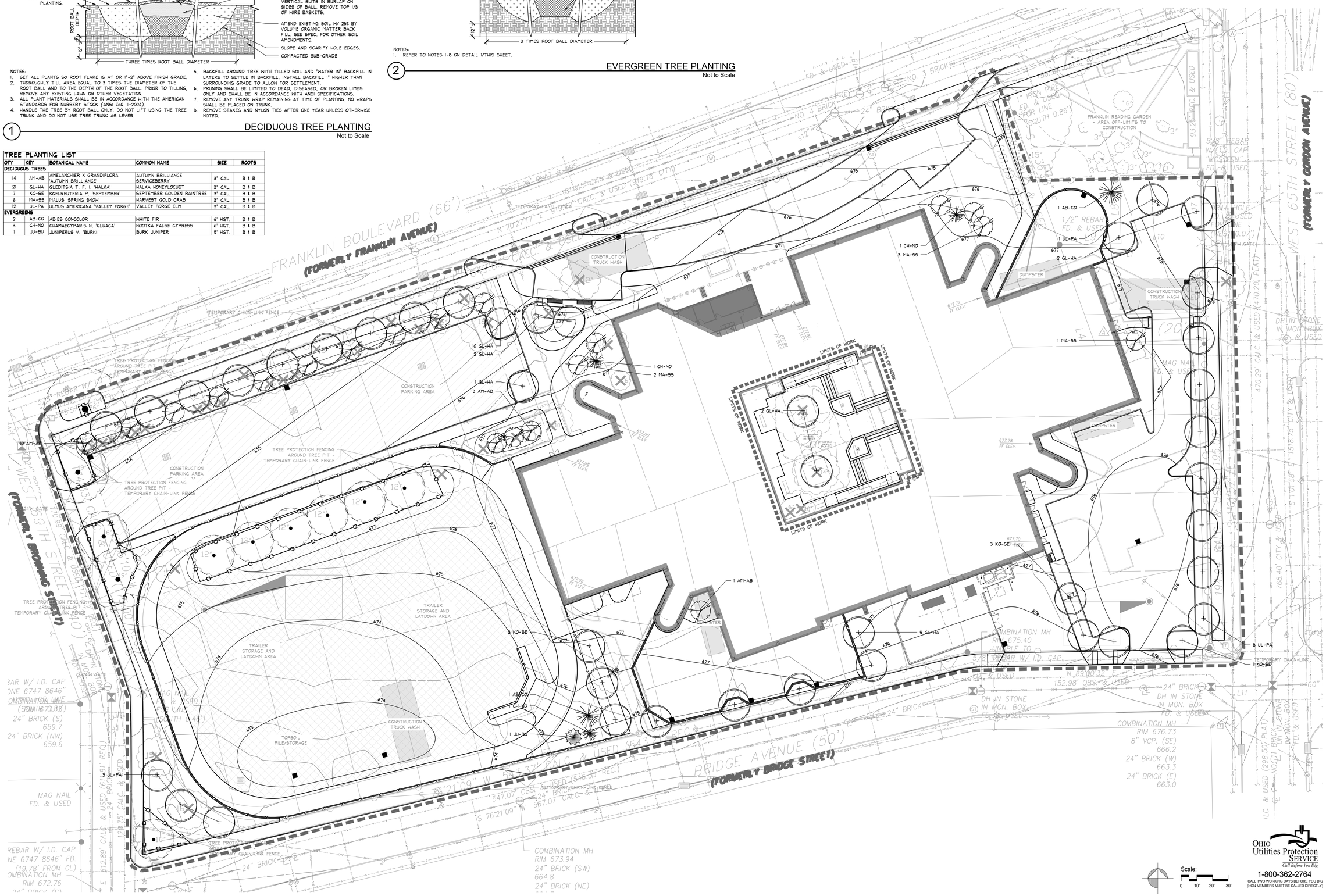
- TRAILER STORAGE AND LAYDOWN AREA
- CONSTRUCTION DUMPSTER OR TRUCK WASH LOCATION, SEE PLAN FOR CONDITION
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED CATCH BASIN
- PAVEMENT EDGE WITH CURB
- PAVEMENT EDGE WITH NO CURB
- PROPOSED ORNAMENTAL FENCE
- PROPOSED DECIDUOUS TREES - SEE DTL. 1/THIS SHEET
- PROPOSED EVERGREEN TREES - SEE DTL. 2/THIS SHEET

TREE PLANTING LIST

QTY	KEY	BOTANICAL NAME	COMMON NAME	SIZE	ROOTS
DECIDUOUS TREES					
14	AM-AB	AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE'	AUTUMN BRILLIANCE SERVICEBERRY	3" CAL.	B & B
21	GL-HA	GLEDITSIA T. F. I. 'HALKA'	HALKA HONEYLOCUST	3" CAL.	B & B
7	KO-SE	KOELREUTERIA P. 'SEPTEMBER'	SEPTEMBER GOLDEN RAINTREE	3" CAL.	B & B
6	MA-SS	MALUS 'SPRING SNOW'	HARVEST GOLD CRAB	3" CAL.	B & B
12	UL-PA	ULMUS AMERICANA 'VALLEY FORGE'	VALLEY FORGE ELM	3" CAL.	B & B
EVERGREENS					
2	AB-CO	ABIES CONCOLOR	WHITE FIR	6' HGT.	B & B
3	CH-NO	CHAMAECYPARIS N. 'GLUACA'	NOOTKA FALSE CYPRESS	6' HGT.	B & B
1	JU-BU	JUNIPERUS V. 'BURKII'	BURK JUNIPER	5' HGT.	B & B



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PROJECT NO 2206-1
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TREE PRESERVATION PLAN

SHEET NO
TP-101