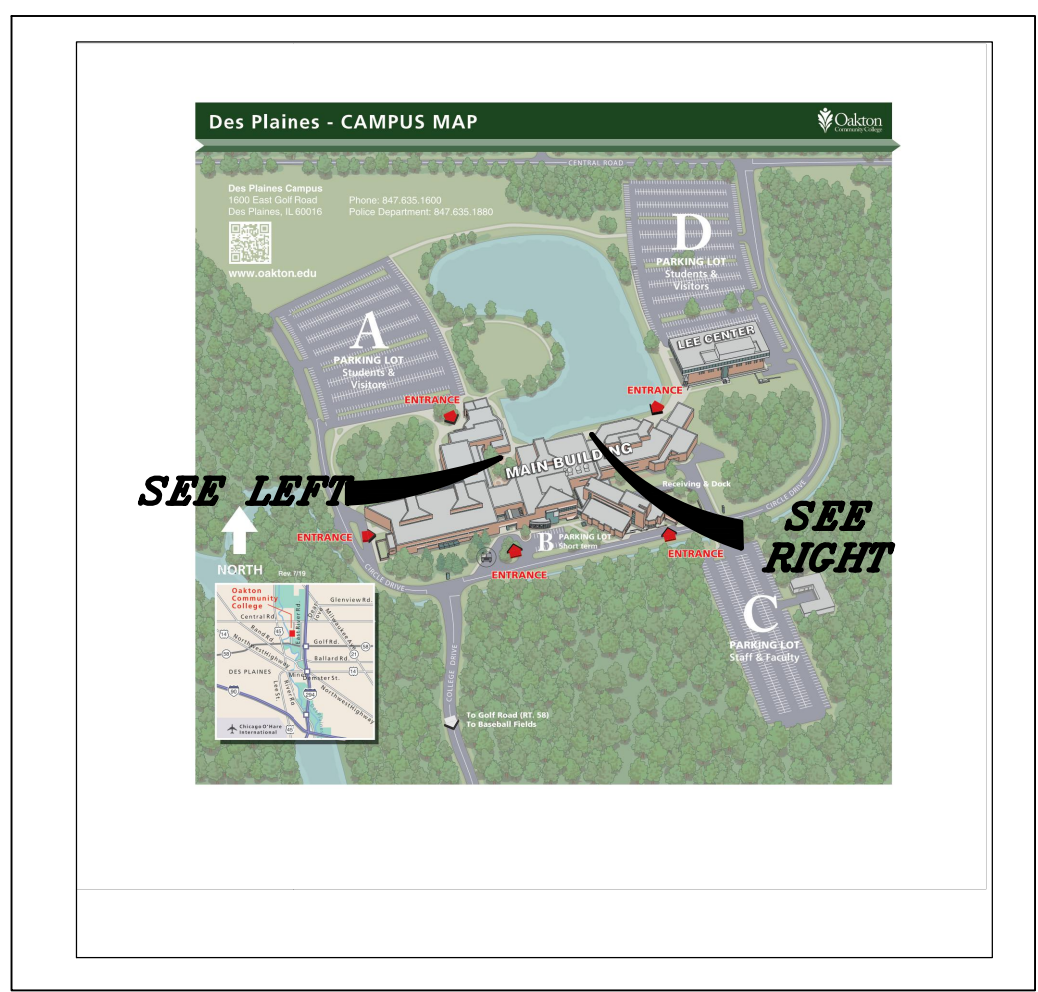
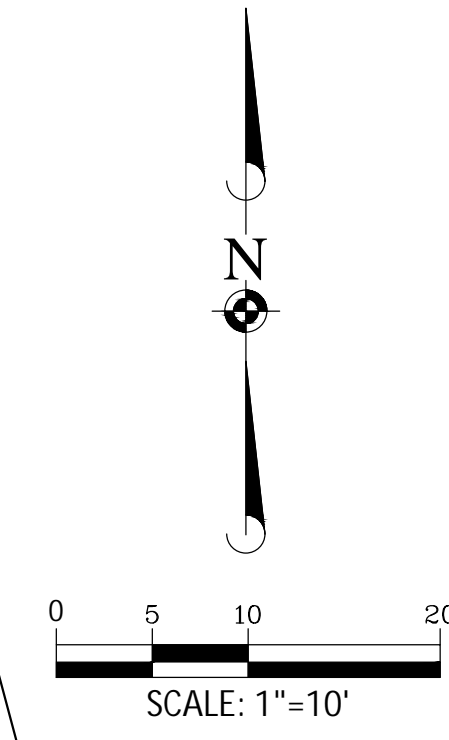
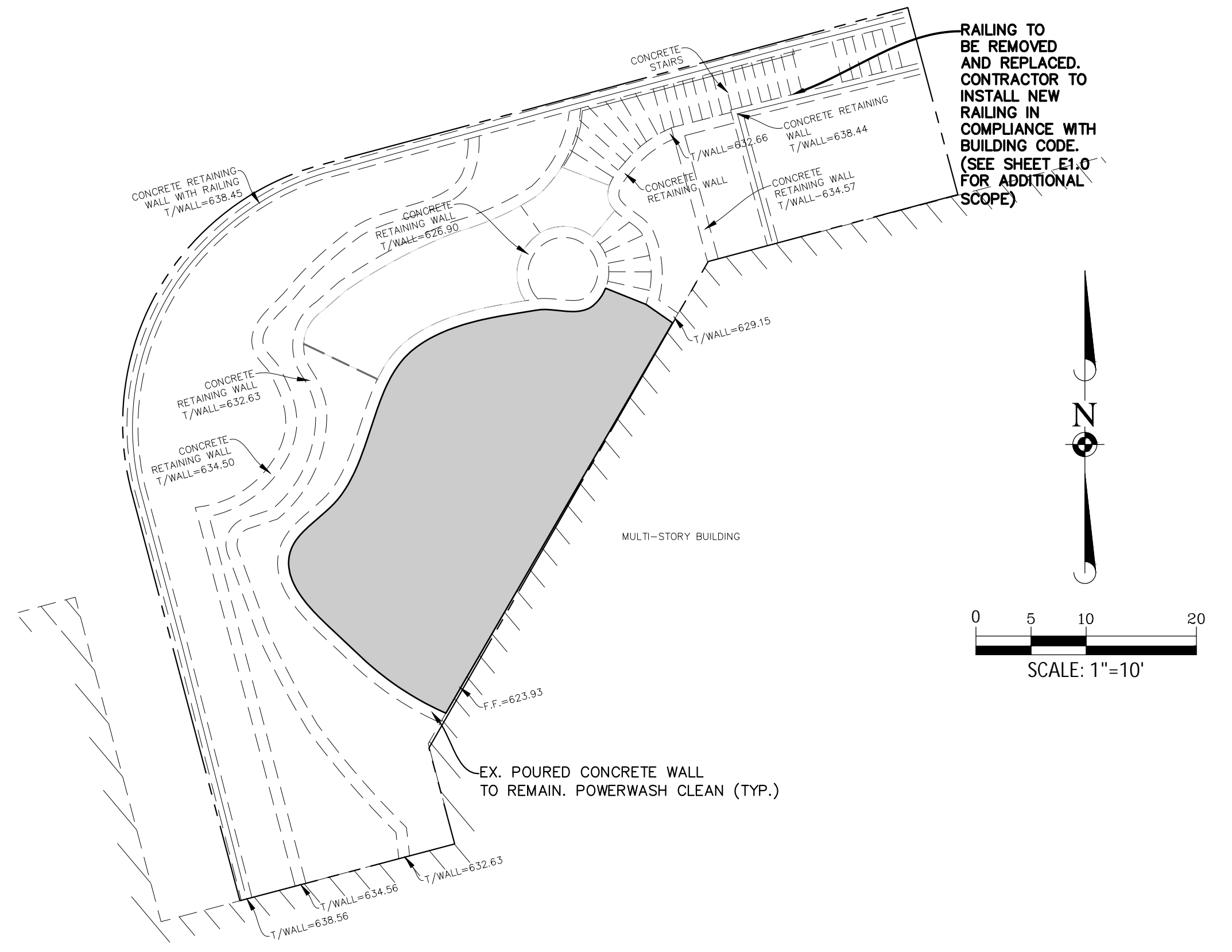
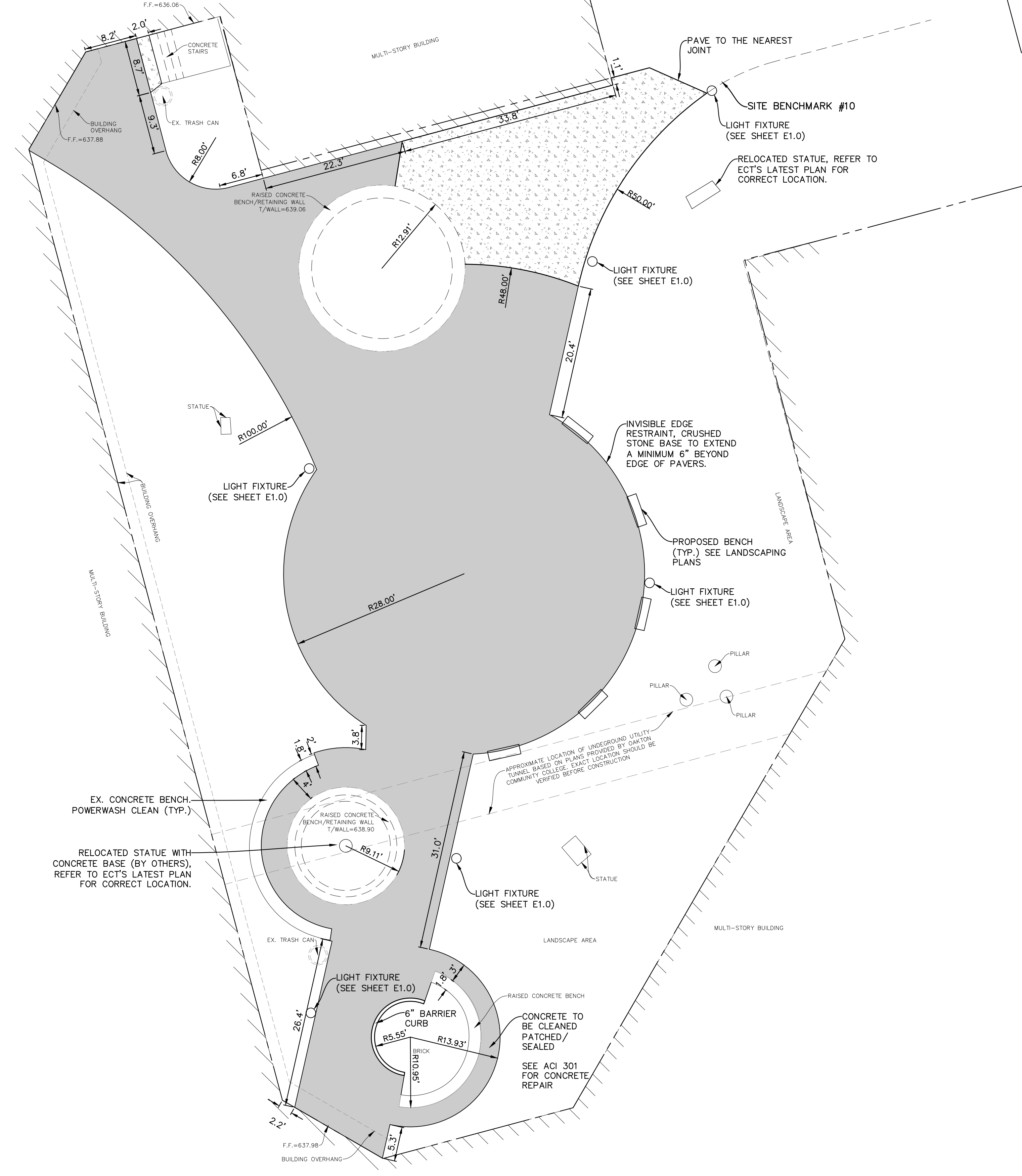


CONTROL POINT FOR LAYOUT OF ALL PROPOSED IMPROVEMENTS: BUILDING AND PARKING TO BE PARALLEL AND PERPENDICULAR TO XXXXX PROPERTY LINE UNLESS OTHERWISE NOTED.



LOCATION MAP



- SITE DIMENSIONAL AND PAVING NOTES:**
- ALL DIMENSIONS ARE FACE OF CURB TO FACE OF CURB OR BUILDING FOUNDATION UNLESS NOTED OTHERWISE.
 - ALL PROPOSED CURB SHALL BE B6.12 UNLESS OTHERWISE NOTED. FINISH ALL EXPOSED BACK FACES WITH A RUBBED FINISH IMMEDIATELY AFTER REMOVING FORMS.
 - ALL CURB RADII SHALL BE 3' MEASURED TO FACE OF CURB UNLESS NOTED OTHERWISE.
 - TIE ALL PROPOSED CURB AND GUTTER TO EXISTING CURB AND GUTTER WITH 2-#6 BARS x 18" LONG DOWELED INTO EXISTING CURB.
 - BUILDING DIMENSIONS AND ADJACENT PARKING HAVE BEEN PREPARED BASED UPON ARCHITECTURAL INFORMATION CURRENT AT THE DATE OF THIS DRAWING. SUBSEQUENT ARCHITECTURAL CHANGES MAY EXIST. THEREFORE CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR PRECISE BUILDING DIMENSIONS AND NOTIFY THE ARCHITECT AND ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION. BUILDING DIMENSIONS SHOWN SHOULD NOT BE USED FOR CONSTRUCTION LAYOUT OF BUILDING.
 - IMPROVEMENTS ADJACENT TO BUILDING, IF SHOWN, SUCH AS TRUCK DOCK, RETAINING WALLS, SIDEWALKS, CURBING, FENCES, CANOPIES, RAMPS, HANDICAP ACCESS, PLANTERS, DUMPSTERS, AND TRANSFORMERS ETC. HAVE BEEN SHOWN FOR APPROXIMATE LOCATION ONLY. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS, SPECIFICATIONS AND DETAILS.
 - LOCATION OF PRIVATE SIDEWALKS SHALL BE COORDINATED WITH PROPOSED DOORWAY. CONTRACTOR TO VERIFY ACTUAL BUILDING PLAN LOCATIONS WITH ARCHITECT/DEVELOPER PRIOR TO CONSTRUCTING THE SIDEWALKS.
 - ALL ROADWAY AND PARKING LOT SIGNAGE, STRIPING, SYMBOLS, ETC. SHALL BE IN ACCORDANCE WITH LATEST JURISDICTIONAL GOVERNMENTAL ENTITY DETAILS.
 - SOME EXISTING ITEMS TO BE REMOVED HAVE BEEN DELETED FROM THIS PLAN FOR CLARITY. SEE DEMOLITION PLAN FOR ITEMS DELETED.
 - PROVIDE DEPRESSED CURB AND RAMP AT ALL HANDICAP ACCESSIBLE SIDEWALK AND PATH LOCATIONS PER FEDERAL AND STATE STANDARDS.
 - THE CONTRACTOR SHALL CONTACT J.U.L.I.E. (1-800-892-0123) PRIOR TO ANY WORK TO LOCATE UTILITIES AND SHALL CONTACT THE OWNER SHOULD UTILITIES APPEAR TO BE IN CONFLICT WITH THE PROPOSED IMPROVEMENT.

PAVEMENT LEGEND

	BRUSSELS BLOCK UNILOCK PAVERS*
	1" SAND SETTING
	6" COMPACTED AGGREGATE BASE, CA-6 GRADE 9 (GRADE 8 WILL NOT BE ACCEPTED)
	CONCRETE PAVEMENT
	8" PORTLAND CEMENT CONCRETE PAVEMENT W/ 6 X 6 W1.4 WWF
	4" COMPACTED AGGREGATE BASE, TYPE B

DATE	
REVISIONS	

Manhard ECT CONSULTING LTD
 Environmental Consulting &
 403 W. St. Charles Road, Lombard,
 IL 60148-0000
 (630) 664-8000
 www.ectinc.com

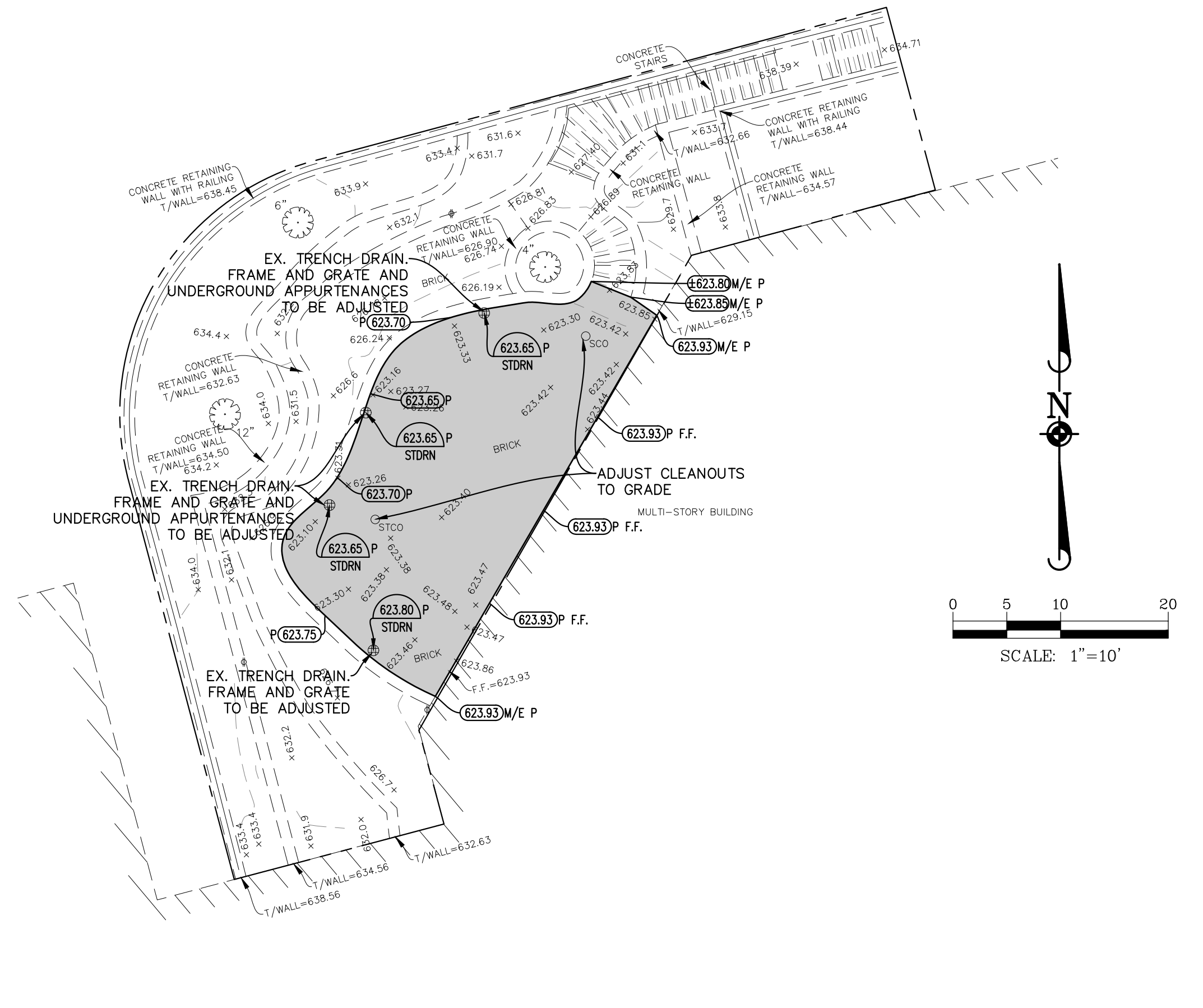
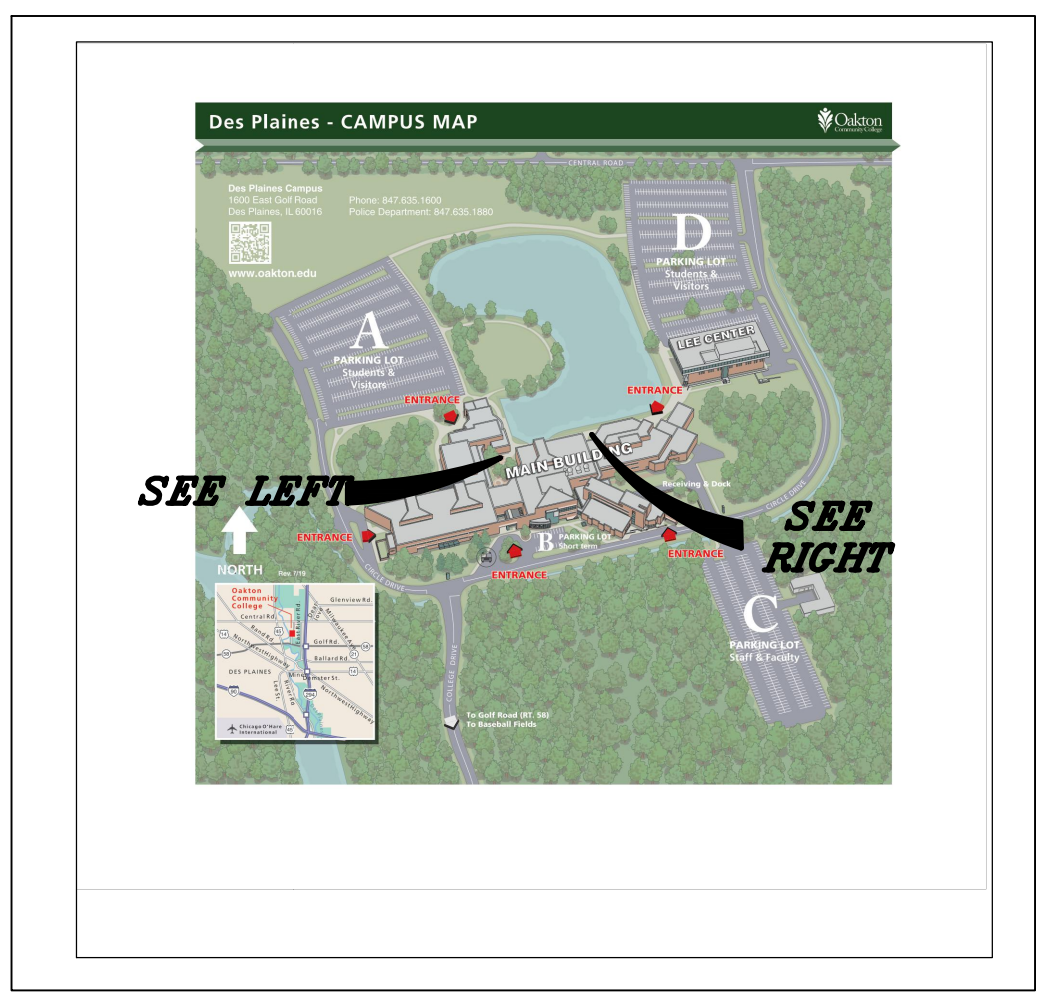
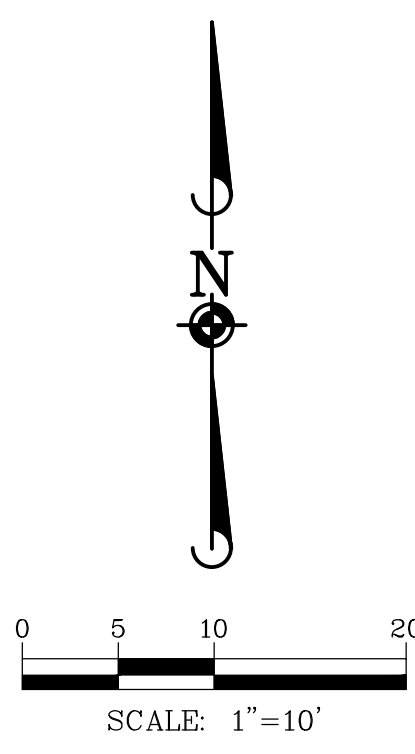
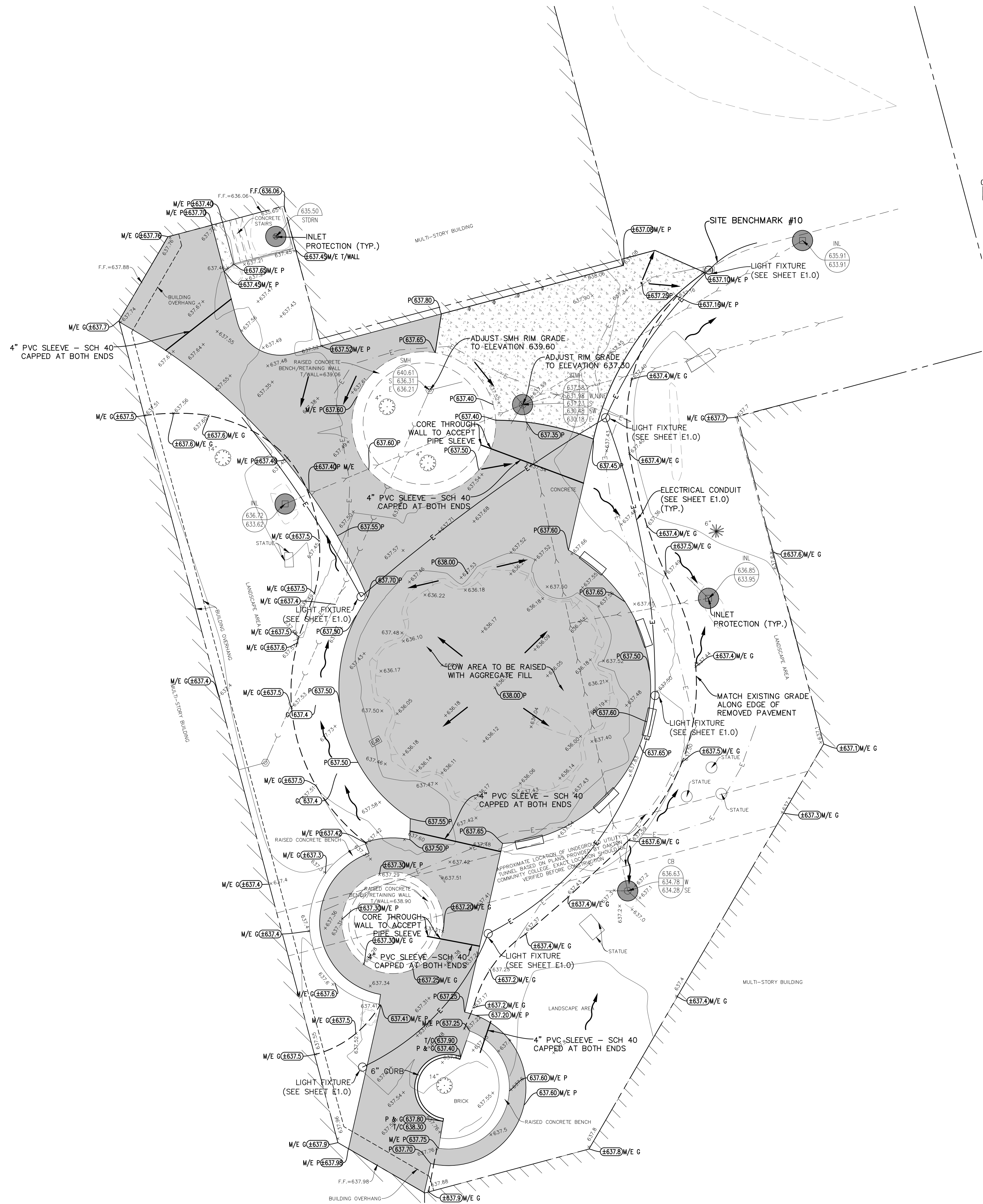
Professional Engineer
 Dale Engstrom - Surveying - Water Resources Engineers - Water & Wastewater Engineers
 Construction Managers - Environmental Scientists - Landscape Architects - Planners

OAKTON COMMUNITY COLLEGE COURTYARD REHABILITATION
 CITY OF DES PLAINES, ILLINOIS
 SITE DIMENSIONAL AND PAVING PLAN

PROJ MGR: JCM
 PROJ ASSOC: JCM
 DRAWN BY: BTM
 DATE: 11-04-22
 SCALE: 1"=10'

SHEET
3 OF **6**
 OCC.DPIL13

November 7, 2022 - 11:37 Dwg Name: P:\06\011\Des Plaines\Plan Set\01-SITE DIMENSIONAL AND PAVING PLAN.dwg. Uploaded By: dbourque



GRADING PLAN LEGEND	
	PROPOSED 1 FOOT CONTOURS
	PROPOSED SPOT ELEVATION
	PROPOSED FINISHED FLOOR ELEVATION
	PROPOSED GRADE AT FOUNDATION
	PROPOSED PAVEMENT ELEVATION
	PROPOSED TOP OF CURB
	PROPOSED TOP OF WALK
	PROPOSED TOP OF WALL
	MEET EXISTING
	PROPOSED GROUND GRADE OR GROUND
	PROPOSED DITCH OR SWALE
	PROPOSED DIRECTION OF FLOW
	OVERFLOW RELIEF SWALE
	PROPOSED RIDGE LINE
	PROPOSED DEPTH OF PONDING
	RETAINING WALL
	PROPOSED SWALE LOW POINT
	PROPOSED SWALE SUMMIT
	TEMPORARY STORM INLET PROTECTION

- GRADING NOTES:**
- CONTRACTOR SHALL REFER TO THE SOIL EROSION AND SEDIMENT CONTROL PLAN AND DETAILS FOR CONSTRUCTION SCHEDULING AND EROSION CONTROL MEASURES TO BE INSTALLED PRIOR TO BEGINNING GRADING OPERATIONS.
 - THE CONTRACTOR SHALL CONTACT J.U.L.I.E. (1-800-892-0123) PRIOR TO ANY WORK TO LOCATE UTILITIES AND SHALL CONTACT THE OWNER SHOULD UTILITIES APPEAR TO BE IN CONFLICT WITH THE PROPOSED IMPROVEMENT.
 - THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
 - IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITION OR BETTER.
 - ALL UNPAVED AREAS DISTURBED BY GRADING OPERATIONS SHALL RECEIVE 6 INCHES OF TOPSOIL. REFER TO LANDSCAPE PLANS FOR PLACEMENT OF TOPSOIL WITHIN PLANTING AREAS WHERE PAVING WAS REMOVED. CONTRACTOR SHALL APPLY STABILIZATION FABRIC TO ALL SLOPES 3H:1V OR STEEPER. CONTRACTOR SHALL STABILIZE DISTURBED AREAS IN ACCORDANCE WITH GOVERNING SPECIFICATIONS UNTIL A HEALTHY STAND OF VEGETATION IS OBTAINED.
 - EXISTING TOPOGRAPHY SHOWN REPRESENTS SITE CONDITIONS AS PREPARED BY MANHARDT CONSULTING ON APRIL 14, 2022. CONTRACTOR SHALL FIELD CHECK EXISTING ELEVATIONS AND CONDITIONS PRIOR TO CONSTRUCTION AND NOTIFY ARCHITECT AND ENGINEER OF ANY DISCREPANCIES PRIOR TO STARTING CONSTRUCTION. IF THE CONTRACTOR DOES NOT ACCEPT EXISTING TOPOGRAPHY AS SHOWN ON THE PLANS, WITHOUT EXCEPTION, THEN THE CONTRACTOR SHALL SUPPLY, AT HIS EXPENSE, A TOPOGRAPHIC SURVEY BY A REGISTERED LAND SURVEYOR TO THE OWNER FOR REVIEW.

DATE	REVISIONS

Manhardt ECT CONSULTING LTD
 Environmental Consulting &
 Engineering
 403 W. St. Charles Road, Lombard,
 IL 60148-0000
 www.manhardt.com

OAKTON COMMUNITY COLLEGE COURTYARD REHABILITATION
 CITY OF DES PLAINES, ILLINOIS
 GRADING AND UTILITY PLAN

PROJ MGR: JCM
 PROJ ASSOC: JCM
 DRAWN BY: BJA
 DATE: 11-04-22
 SCALE: 1"=30'

SHEET
4 OF **6**
 OCC.DPIL13

100% CD DRAWINGS (ISSUED FOR BID) 11-04-22

06-01-16

MANHARD CONSULTING, LTD. STANDARD SPECIFICATIONS

GENERAL CONDITIONS
CONTRACTOR acknowledges and agrees that the use and reliance of these Plans and Specifications is sufficient consideration for CONTRACTOR'S covenants stated herein.
DEFINITION OF TERMS
"CLIENT" shall mean Oakton Community College, which is the person or entity with whom Manhard Consulting, Ltd. has contracted with to prepare Civil Engineering PLANS and SPECIFICATIONS.

INTENT OF THE PLANS AND SPECIFICATIONS
The intent of the PLANS and SPECIFICATIONS is to set forth certain requirements of performance, type of equipment and structures, and standards of materials and construction. They may also identify labor and materials, equipment and transportation necessary for the proper execution of the work but are not intended to be infinitely determined so as to include minor items obviously required as part of the work.
INTERPRETATION OF PLANS AND SPECIFICATIONS
The CLIENT and/or CONTRACTOR shall promptly report any errors or ambiguities in the PLANS and SPECIFICATIONS to the ENGINEER.

WORK AREA
The CONTRACTOR, his agents and employees and their employees and all equipment, machinery and vehicles shall confine their work within the boundaries of the project or work area specified by the CLIENT.
TRAFFIC CONTROL
The CONTRACTOR shall provide when required by any JURISDICTIONAL GOVERNMENTAL ENTITY, all signs, equipment, and personnel necessary to control traffic safely and efficiently during the construction work.

RESTORATION
It is the intent of these SPECIFICATIONS that clean-up and final restoration shall be performed immediately upon completion of each phase of the work, both inside and outside the Project, and when so directed by the CLIENT, the work shall be restored as nearly as possible to their original condition or better, and shall include but not be limited to, restoration of maintained lawns and rights-of-way, roadways, driveways, sidewalks, ditches, bushes, hedges, trees, shrubs, fences, mailboxes, sewers, drain tiles, water mains, etc.
CLEANING UP
The CONTRACTOR shall at all times keep the premises free from accumulations of waste material or rubbish caused by his employees or work, and at the completion of the work he shall remove all his rubbish, tools, scaffolding and surplus materials and shall leave his work "boom clean" or its equivalent, unless more exactly specified.

ROAD CLEANING
The CONTRACTOR shall maintain roadways adjoining the project site free from mud and debris at all times. If mud and/or debris is carried onto the roadways from vehicles entering onto the highway from either the CONTRACTOR'S trucks, his employees' vehicles, or his material suppliers, the CONTRACTOR shall immediately remove said mud and/or debris.
SAFETY AND PROTECTION
The CONTRACTOR shall be solely and completely responsible for the conditions of the job site, including safety of all persons and property during performance of the work.

HOLD HARMLESS
To the fullest extent permitted by law, any CONTRACTOR, material supplier or other entity by use of these plans and specifications heretby waives any right of contribution and agrees to indemnify, defend, save and hold harmless the CLIENT and ENGINEER and its agents, employees and consultants from and against all manner of claims, causes, causes of action, damages, losses and expenses, including but not limited to, attorneys' fees arising out of, resulting from or in connection with the performance of any work, pursuant to and with respect to these plans and specifications.
INSURANCE
Any party using or relying on these plans, including any contractor, material supplier, or other entity shall obtain, (prior to commencing any work) general public liability insurance insuring against all damages and claims for any bodily injuries, death or property damage arising out of any work.

THIRD PARTY BENEFICIARY
Manhard Consulting, Ltd., the ENGINEER, is intended to be a third party beneficiary of this willing agreement and requirement.
Note: These Specifications are for Northern Illinois.

DETAILED SPECIFICATIONS

I. DEMOLITION
The CONTRACTOR shall coordinate with respective utility companies prior to the removal and/or relocation of utilities.
The CONTRACTOR shall coordinate with the utility company concerning portions of work which may be performed by the Utility Company's forces and any fees which are to be paid to the utility company for their services.
The CONTRACTOR shall coordinate with the utility company concerning the amount of type of damages, compensation or benefits payable by or for the CONTRACTOR or any Subcontractor under workers' or workmen's compensation acts, disability benefit acts or any other employee benefit acts or any insurance maintained by CONTRACTOR or any Subcontractor or any other party.
INSURANCE
Any party using or relying on these plans, including any contractor, material supplier, or other entity shall obtain, (prior to commencing any work) general public liability insurance insuring against all damages and claims for any bodily injuries, death or property damage arising out of any work.

CONTRACTOR shall maintain all existing parking areas, sidewalks, drives, etc., clear and free from any construction activity and/or material to ensure easy and safe pedestrian and vehicular traffic to and from the site.
CONTRACTOR shall coordinate/phase all construction activity within proximity of the building and utility interruptions with the facility manager to minimize disturbance and inconvenience to facility operations.
CONTRACTOR may limit saw-cut and pavement removal to only those areas where it is required as shown on these construction plans, however if any damage is incurred on any of the surrounding pavement, etc. the CONTRACTOR shall be responsible for ITS removal and repair.
Any existing wells encountered shall be exposed and sealed 3' below proposed finish grade by the CONTRACTOR in accordance with Section 920.120 (latest edition) of Illinois Water Well Construction Code, Department of Public Health, and all applicable local rules and regulations.

II. EARTHWORK
STANDARDS
This work shall be completed in conformance with the applicable sections of the Standard Specifications for Road and Bridge Construction, Department of Transportation, State of Illinois, latest edition except as modified below.
SOIL BORING DATA
Copies of results of soil boring and reports, if such borings were taken by the CLIENT in the vicinity of the proposed construction site, should be made available by the CLIENT to the CONTRACTOR. These borings are presented for whatever purpose the CONTRACTOR chooses to make of them.

TOPSOIL STRIPPING
Upon completion of demolition, clearing, grubbing and tree removal, all topsoil shall be stripped from under all buildings and pavements areas, and other areas necessary to complete the work. Topsoil stripped shall be placed in stockpiles in locations as designated by the CLIENT. Existing topsoil should not be stripped from future planting areas.
TOPSOIL SPREAD
Upon completion of roadway and/or parking lot improvements and installation of underground utilities a minimum of six inches (6") of topsoil shall be respread over all unpaired areas which have been disturbed by earthwork construction, except building pads and other designated areas, which shall be kept free from topsoil.

SEEDING
Upon completion of topsoil respread, the CONTRACTOR shall apply seed and fertilizer to all respread areas in accordance with IDOT standards or as designated on landscape drawings and specifications provided by the CLIENT.
SODDING
Upon completion of topsoil respread, the CONTRACTOR shall install sod to all areas designated on the plans or as designated on the landscape drawings and specifications provided by the CLIENT.
EXCAVATION AND EMBANKMENT
Upon completion of topsoil stripping, all excavation and embankments shall be completed as shown on the PLANS. All suitable excavated materials shall be hauled, placed (moisture conditioned if necessary) and compacted in the embankment areas.

D. STORM SEWERS AND APPURTENANCES
STORM SEWER PIPE
Storm sewer pipe shall conform to the following:
(1) Reinforced concrete pipe minimum Class IV in conformance with the latest revision of ASTM designation C78 with C443 flexible gasket joints, except that bituminous mastic joints may be used in grass areas.

MANHOLES, INLETS & CATCH BASINS
Manholes, Inlets and Catch Basins shall be constructed in accordance with Section IIIA Manholes, etc. above. The space between connecting pipes and the wall of the manhole shall be completely filled with non-shrink hydraulic cement mortar. Frames and lids shall be Neenah or approved equal unless specified otherwise on the PLANS.
FLARED END SECTION
Flared end sections shall be pre-cast reinforced concrete flared end sections with an end block cast separate as per the Illinois Department of Transportation Standard 542301 and shall be installed where shown on the PLANS.

III. UNDERGROUND IMPROVEMENTS
A. GENERAL
STANDARDS
All underground improvements shall be constructed and tested in accordance with the Standard Specifications for Water and Sewer Construction in Illinois and Standard Specifications for Road and Bridge Construction, Department of Transportation, State of Illinois, latest edition.
SELECTED GRANULAR BACKFILL
Selected Granular Backfill shall be required for all sewer and water main trenches lying under existing or proposed streets, driveways, parking lots and within 24" thereof, and where noted on PLANS.

CONNECTION FOR STORM SERVICE TO STUMP MAIN
Connections of storm sewer services to storm sewer mains should be made with manufactured tees when available. Availability of manufactured tees will be a function of the storm sewer material and pipe diameter size of the service sewer and main.
MANHOLES, CATCH BASIN, INLETS & VALVE VAULTS
All Manholes, Catch Basins, Inlets, and Valve Vaults shall be constructed of reinforced precast concrete ring construction with tongue and groove joints in compliance with the latest revision of ASTM designation C-478. All joints between sections and frames (except sanitary manholes, see Section IIIB Manholes, below) shall be sealed with mastic type bituminous jointing compound.

CONNECTION FOR STORM SERVICE TO STUMP MAIN
Connections of storm sewer services to storm sewer mains should be made with manufactured tees when available. Availability of manufactured tees will be a function of the storm sewer material and pipe diameter size of the service sewer and main.
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AUGER/BORING AND CASING
Casing pipe shall be welded steel pipe, installed where shown on the PLANS. The carrier pipe shall be securely blocked and banded and sanitary and storm sewers shall maintain the specified gradient.
AUGER (OPEN BORE)
The CONTRACTOR shall auger (open bore) where noted on PLANS.
HORIZONTAL AND VERTICAL SEPARATION OF WATER AND SEWER MAINS
Horizontal and vertical separation of water and sewer mains shall be in accordance with Standard Specifications for Water and Sewer Construction in Illinois Section 41-2.01A and 41-2.01B and Standard Drawing 18, 19, 20, 21, 22, 23 and 24.

B. *SANITARY SEWERS AND APPURTENANCES - INTENTIONALLY OMITTED
C. WATER MAINS AND APPURTENANCES
WATER MAIN PIPE (3" AND LARGER)
Water main pipe shall conform to the following:
(1) Ductile iron pipe shall be per ANSI/AWWA C151/A21.5.1. Thickness Class 52, minimum 150 psi working pressure, cement lined in accordance with ANSI/AWWA C104/A21.4, with "push on" type joints (2)

VALVE VAULTS
Valve vaults shall be constructed in conformance with Section IIIA Manholes, etc. above. Frame and lids shall be as approved by the JURISDICTIONAL GOVERNING ENTITY and shall be imprinted "WATER".
VALVE BOXES
Valve boxes shall be constructed in conformance with the standard detail. Valve boxes shall be cast iron extension screw type having lids imprinted with the letters "WATER".
FIRE HYDRANTS
Fire hydrants shall be per JURISDICTIONAL GOVERNING ENTITY requirements. All fire hydrants shall be located as shown on the PLANS and shall be planted in a manner acceptable to the JURISDICTIONAL GOVERNING ENTITY after installation and shall be adjusted to final grade.

D. STORM SEWERS AND APPURTENANCES
STORM SEWER PIPE
Storm sewer pipe shall conform to the following:
(1) Reinforced concrete pipe minimum Class IV in conformance with the latest revision of ASTM designation C78 with C443 flexible gasket joints, except that bituminous mastic joints may be used in grass areas.

CONNECTION FOR STORM SERVICE TO STUMP MAIN
Connections of storm sewer services to storm sewer mains should be made with manufactured tees when available. Availability of manufactured tees will be a function of the storm sewer material and pipe diameter size of the service sewer and main.
MANHOLES, CATCH BASIN, INLETS & VALVE VAULTS
All Manholes, Catch Basins, Inlets, and Valve Vaults shall be constructed of reinforced precast concrete ring construction with tongue and groove joints in compliance with the latest revision of ASTM designation C-478.

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All Manholes, Catch Basins, Inlets, and Valve Vaults shall be constructed of reinforced precast concrete ring construction with tongue and groove joints in compliance with the latest revision of ASTM designation C-478.

should be made in accordance with manufacturer's recommendations for all storm sewer other than concrete pipe. For concrete pipe connections without manufactured tees the storm sewer main shall be machine cored and the service sewer connected using non-shrink grout for the void between pipes. The service sewer shall cut be flush with the inside wall of the sewer main and not extend into the inside flow area of the main or otherwise impede flow.

IV. ROADWAY AND PARKING LOT IMPROVEMENTS

STANDARDS
Work shall be completed in accordance with the applicable sections of the Standard Specifications for Road and Bridge Construction, Department of Transportation, State of Illinois, latest edition (hereinafter referred to collectively as the "Standard Specifications") except as modified below and except that payment will be defined as detailed in the contract documents between the CLIENT and the CONTRACTOR. Supplementing the Standard Specifications shall be the applicable sections of the latest editions of the "Supplemental Specifications and Recurring Special Provisions," the "Manual on Uniform Traffic Control Devices for Streets and Highways" and the Illinois Supplement thereto, (hereinafter referred to collectively as the "MUTCD"). Any references to "ENGINEER" in the "Standard Specifications" shall be interpreted as the CLIENT or CLIENT'S Construction Representative.
SUBGRADE PREPARATION
The CONTRACTOR shall be responsible for all subgrade compaction and preparation to the lines and grades shown on the plans.

AGGREGATE BASE COURSE TYPE 'B'
Aggregate Base Course Type B shall be limited to CA-6 or CA-10 gradation. Aggregate base courses shall be proof rolled as outlined below.
PROOF ROLL
The CONTRACTOR shall proof roll the subgrade with either a 2-axle truck loaded to 27,000 lbs. or a 3-axle truck loaded to 45,000 lbs. or as specified by the JURISDICTIONAL GOVERNING ENTITY. The CLIENT and JURISDICTIONAL GOVERNING ENTITY shall observe and approve the proof rolling of the subgrade and the base course. Proof rolling tolerances shall be a maximum deflection of 1" for the subgrade and 1/2" for the base course.

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Aggregate Base Course Type B shall be limited to CA-6 or CA-10 gradation. Aggregate base courses shall be proof rolled as outlined below.
PROOF ROLL
The CONTRACTOR shall proof roll the subgrade with either a 2-axle truck loaded to 27,000 lbs. or a 3-axle truck loaded to 45,000 lbs. or as specified by the JURISDICTIONAL GOVERNING ENTITY. The CLIENT and JURISDICTIONAL GOVERNING ENTITY shall observe and approve the proof rolling of the subgrade and the base course. Proof rolling tolerances shall be a maximum deflection of 1" for the subgrade and 1/2" for the base course.

AGGREGATE BASE COURSE TYPE 'B'
Aggregate Base Course Type B shall be limited to CA-6 or CA-10 gradation. Aggregate base courses shall be proof rolled as outlined below.
PROOF ROLL
The CONTRACTOR shall proof roll the subgrade with either a 2-axle truck loaded to 27,000 lbs. or a 3-axle truck loaded to 45,000 lbs. or as specified by the JURISDICTIONAL GOVERNING ENTITY. The CLIENT and JURISDICTIONAL GOVERNING ENTITY shall observe and approve the proof rolling of the subgrade and the base course. Proof rolling tolerances shall be a maximum deflection of 1" for the subgrade and 1/2" for the base course.

Table with 4 columns: DATE, REVISIONS, DRAWN BY, CHECKED BY.



OAKTON COMMUNITY COLLEGE COURTYARD REHABILITATION CITY OF DES PLAINES, ILLINOIS CONSTRUCTION SPECIFICATIONS

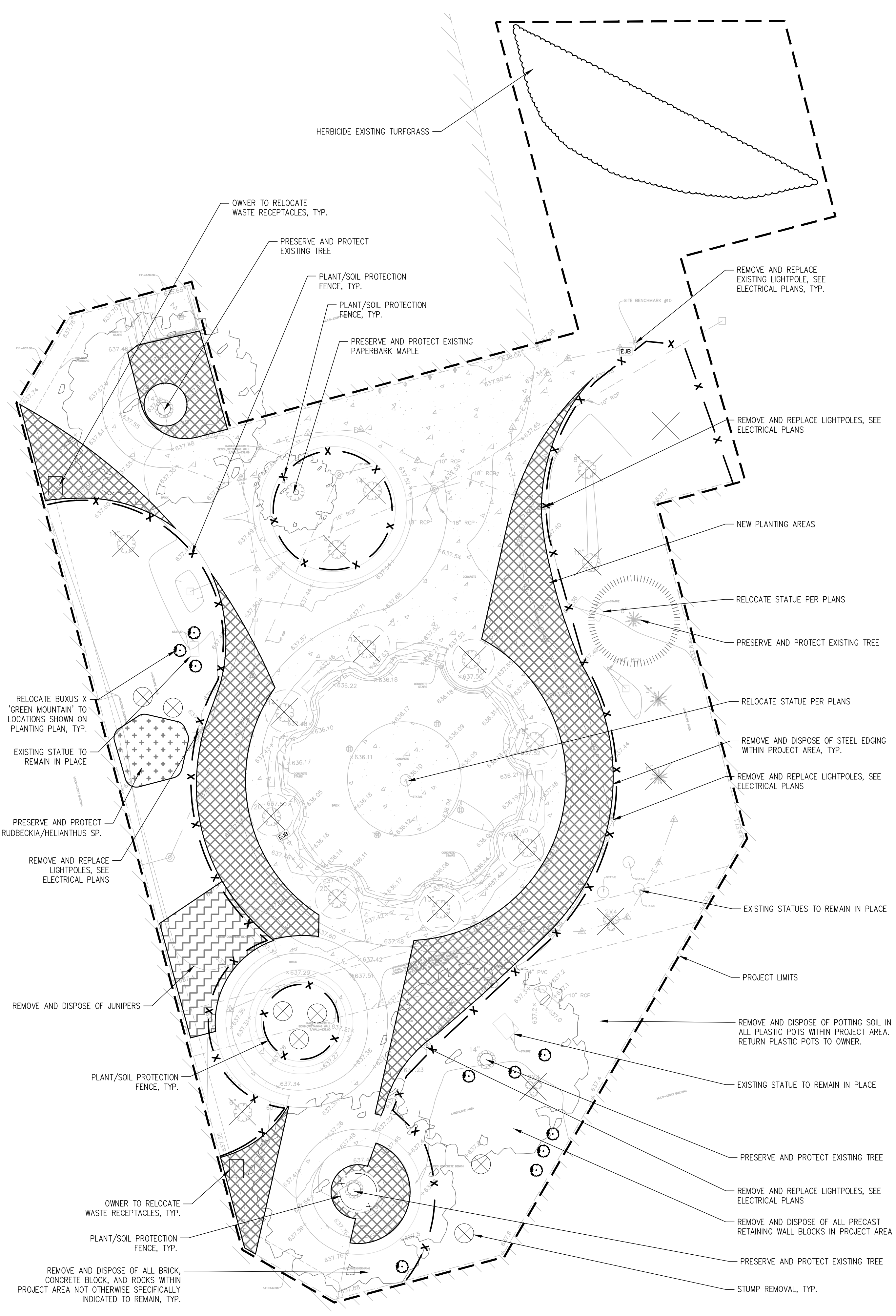
PROJ. MGR.: JCM
PROJ. ASSOC.: JCM
DRAWN BY: BTW
DATE: 11-04-22
SCALE: N.T.S.

SHEET 6 OF 6

OCC.DPIL13

SHOULD A CONFLICT ARISE BETWEEN THE MANHARD SPECIFICATIONS AND THE VILLAGE SPECIFICATIONS, THE VILLAGE SPECIFICATIONS TAKE PRECEDENCE.

D:\October 26, 2022 - 14.01 - Doc# Name: P:\06000113\ManECor\Final_Drawings\Man_SA\W-CONSTRUCTION_SPECIFICATIONS.docx - Updated: B:\c_schubertx



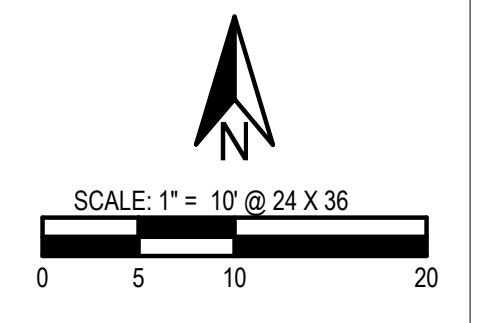
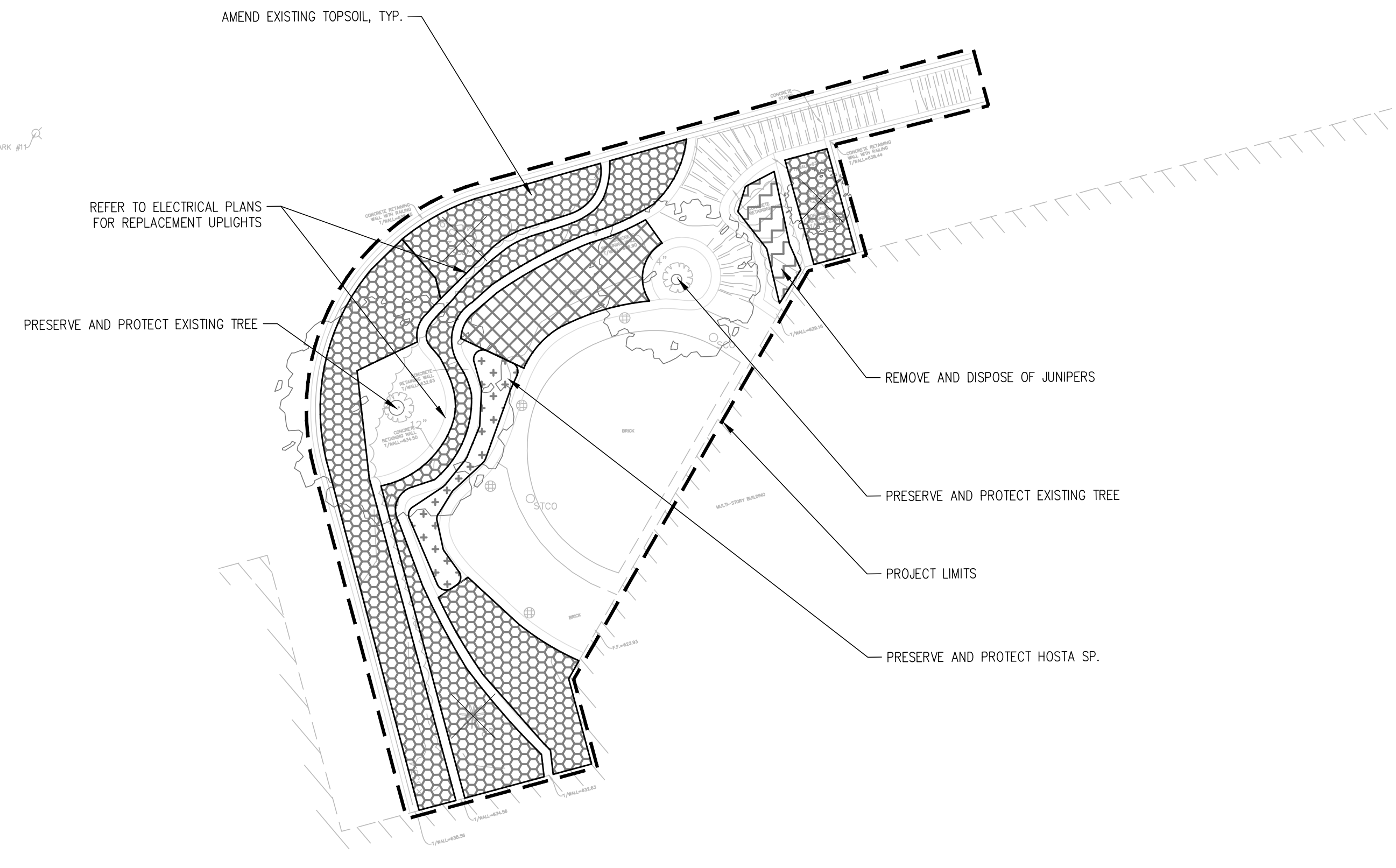
- PLANT REMOVAL PROCEDURES:**
- INSTALL PLANT PROTECTION FENCING AND FOLLOW PLANT PROTECTION PROCEDURES IN 015639.
 - TRANSPLANT BUXUS X 'GREEN MOUNTAIN' TO LOCATIONS SHOWN ON THE PLANS.
 - REMOVE ALL LARGE WOODY PLANT MATERIAL WITHIN THE PROJECT AREA NOT OTHERWISE INDICATED FOR PRESERVATION OR TRANSPLANTING.
 - CUT OUT STUMPS OF REMOVED WOODY VEGETATION TO A DEPTH OF 18 INCHES BELOW FINISHED GRADE. REMOVE AND DISPOSE OF WOOD CHIPPINGS OFF SITE AND REPLACE WITH IMPORTED TOPSOIL PER SPECIFICATION 329300. ONLY HAND METHODS FOR REMOVAL OF TREES AND STUMPS WITHIN PLANT PROTECTION ZONE WILL BE PERMITTED.
 - REMOVE SHRUBS NOT OTHERWISE INDICATED FOR PRESERVATION. DIG OUT ROOT MASS TO A DEPTH OF 18 INCHES. REPLACE HOLE WITH IMPORTED TOPSOIL PER 329300.
 - APPLY NON-SELECTIVE HERBICIDE (GLYPHOSATE) TO EXISTING HERBACEOUS VEGETATION WITHIN THE PROJECT AREA NOT OTHERWISE INDICATED FOR PRESERVATION OR TRANSPLANTING. SPECIES TO BE HERBICIDED INCLUDE: VINCA MINOR (PERIWINKLE), AEGOPODIUM PODAGRARIA (GOUTWEED/GROUND ELDER), SEEDLING-SIZED HIBISCUS SYRIACUS (ROSE OF SHARON). REFER TO SPECIFICATION 311000.

LEGEND:

- ✕ REMOVE TREE AND GRIND STUMP
- ⊗ REMOVE AND GRIND STUMP
- ⊙ RELOCATE BUXUS X 'GREEN MOUNTAIN', SEE PLANTING PLAN
- X — PLANT/SOIL PROTECTION FENCE AND LIMIT OF PLANT PROTECTION ZONE. SEE E/L3.0 AND SPECIFICATION 015639
- [Cross-hatched box] PAVEMENT REMOVAL FOR NEW PLANTING AREA. AFTER REMOVING PAVING AND AGGREGATE BASE, SCARIFY SUBGRADE TO A DEPTH OF 6 INCHES AND INSTALL IMPORTED TOPSOIL TO A MINIMUM DEPTH OF 12 INCHES. LIGHTLY COMPACT AND WATER DOWN BEFORE INSTALLING NEW PLANT MATERIAL, TYP.
- [Dotted box] AMEND EXISTING TOPSOIL WITH 4 INCHES OF COMPOST. PLACE COMPOST DIRECTLY ON TOP OF EXISTING SOIL AND INTEGRATE WITH A POWERED CULTIVATOR TO A TOTAL DEPTH OF 8 INCHES. FINISHED GRADE OF SOIL AFTER PLANTING AND PRIOR TO MULCHING SHALL BE 3 INCHES BELOW TOP OF RETAINING WALL.
- [Box with + signs] PRESERVE AND PROTECT EXISTING VEGETATION
- [Box with zig-zag pattern] CLEAR AND GRUB WOODY VEGETATION, SEE SPECIFICATION 311000
- — — PROJECT LIMITS

NOTES:

1. REFER TO SHEET 2 FOR SITE DEMOLITION.
2. REFER TO SPECIFICATION 015639 "TEMPORARY TREE AND PLANT PROTECTION".
3. REFER TO SPECIFICATION 311000 "SITE CLEARING".
4. PREPARE A TREE PRUNING SCHEDULE FOR ALL TREES TO REMAIN WITHIN THE PROJECT AREA PER SPECIFICATION 015639.
5. INSTALL GATES WITHIN PLANT PROTECTION FENCE PER SPECIFICATION 015639 AS NEEDED TO ACCESS AREAS DURING PLANTING OPERATIONS.
6. REMOVE AND DISPOSE OF STEEL EDGING WITHIN LIMITS OF WORK



DATE	REVISIONS

ECT
 Environmental Consulting & Technology Inc.
 403 W. St. Charles Road
 St. Charles, IL 60158-2000
 www.ectinc.com

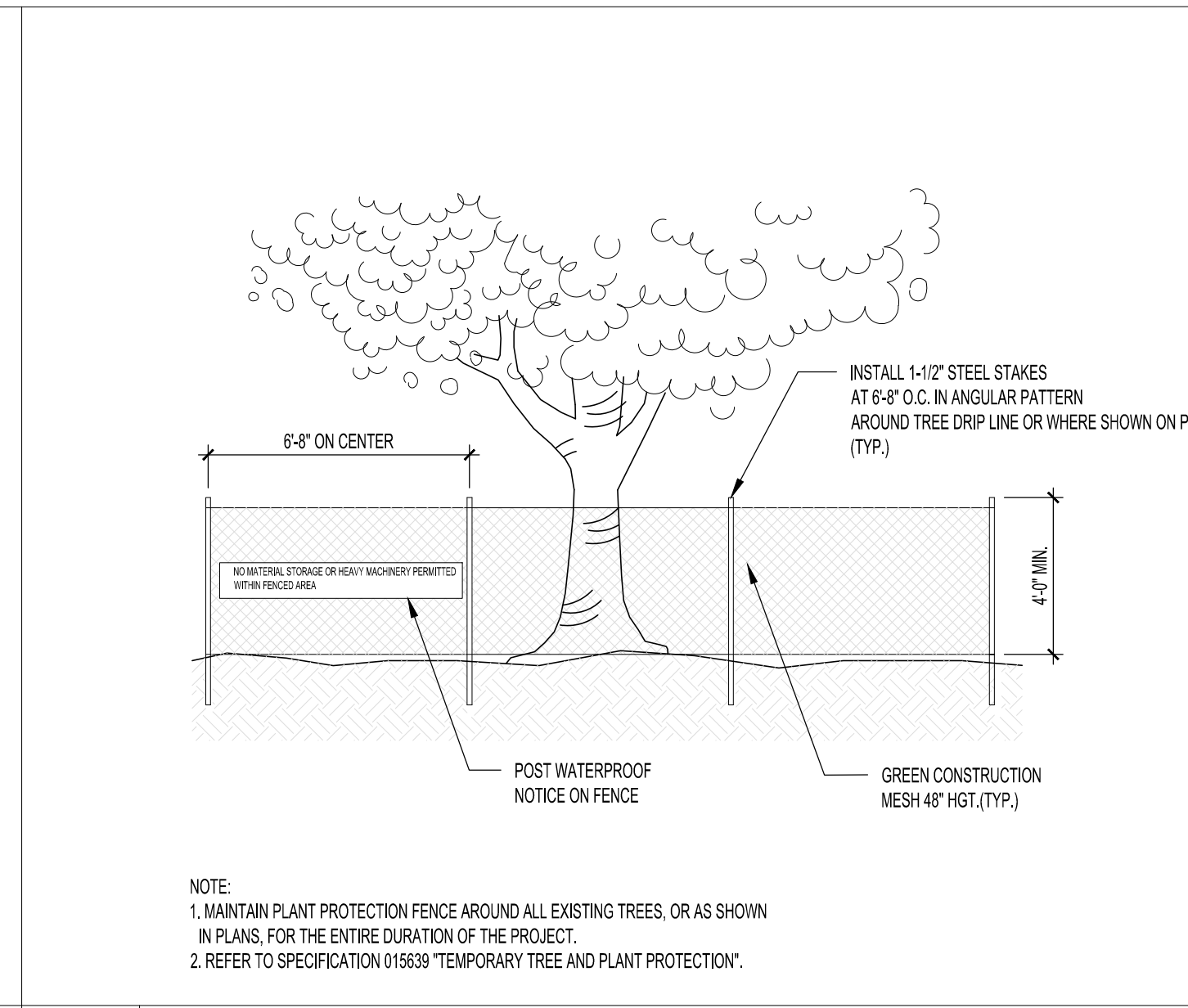
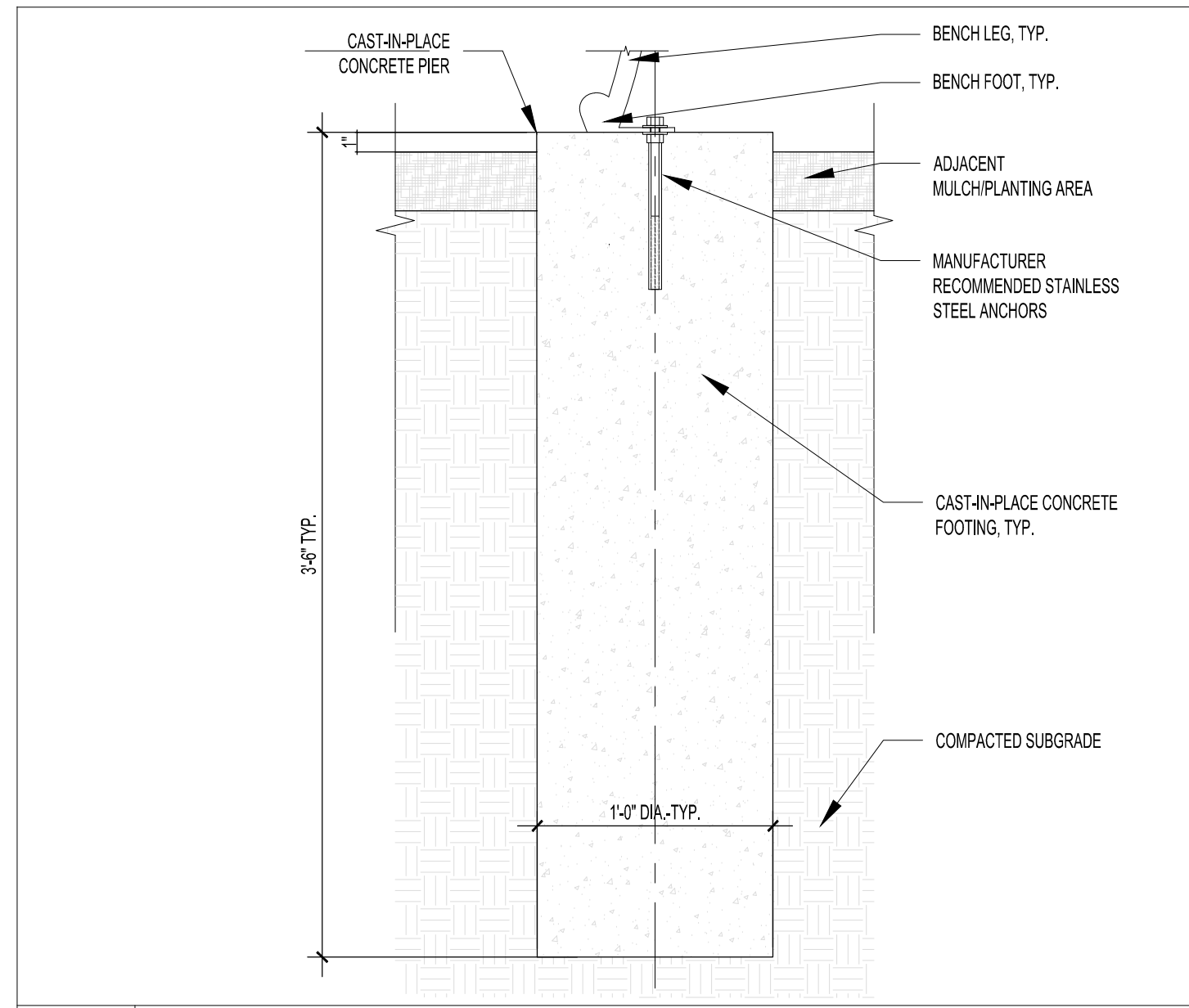
Manhard CONSULTING LTD.
 1000 West Willow Road
 Oakton, VA 22129
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OAKTON COMMUNITY COLLEGE COURTYARD REHABILITATION
CITY OF DES PLAINES, ILLINOIS
PLANT REMOVAL AND PROTECTION

PROJ MGR: JAC
 PROJ ASSOC: JAC
 DRAWN BY: BEP/IR
 DATE: 10-27-22
 SCALE: 1"=10'

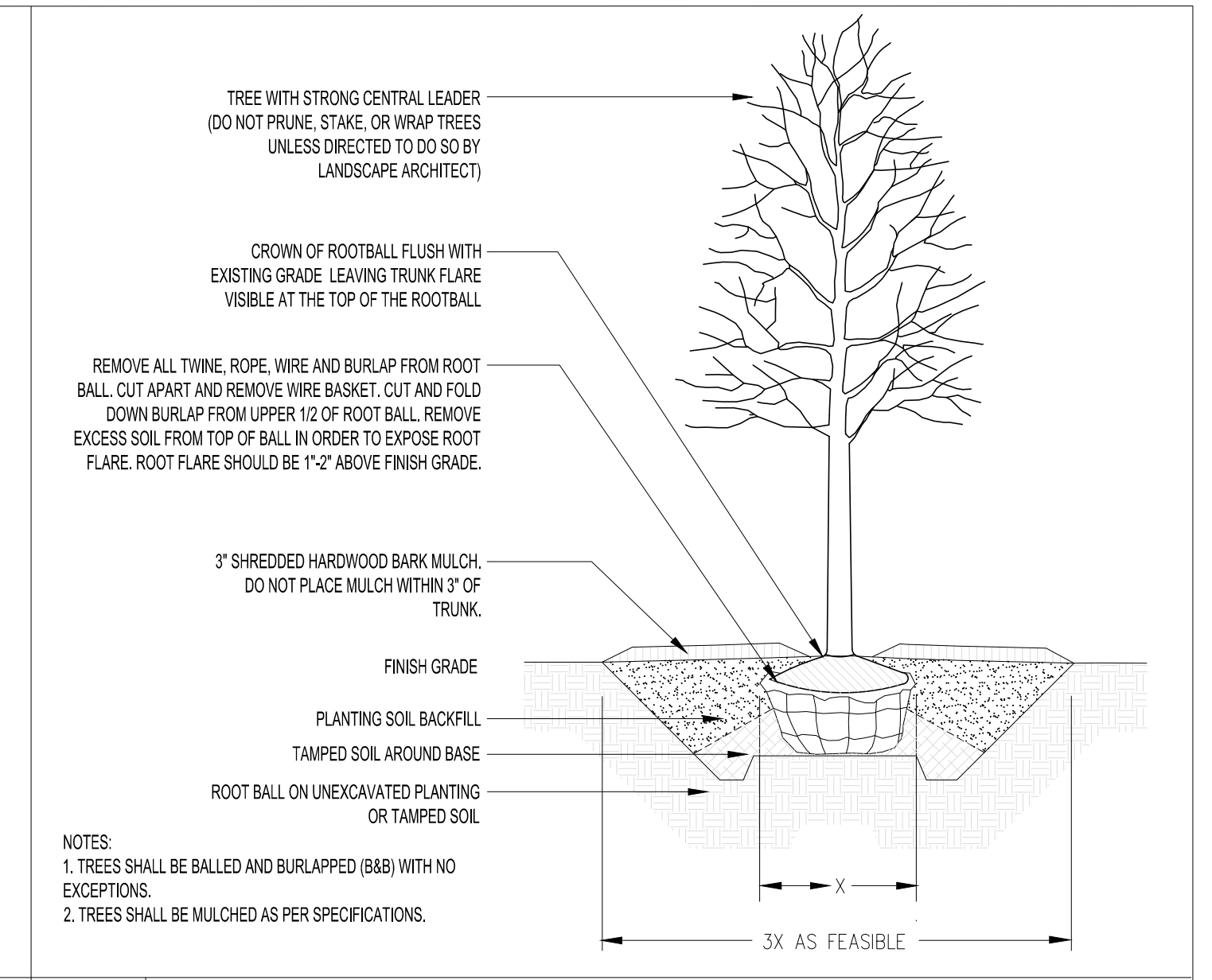
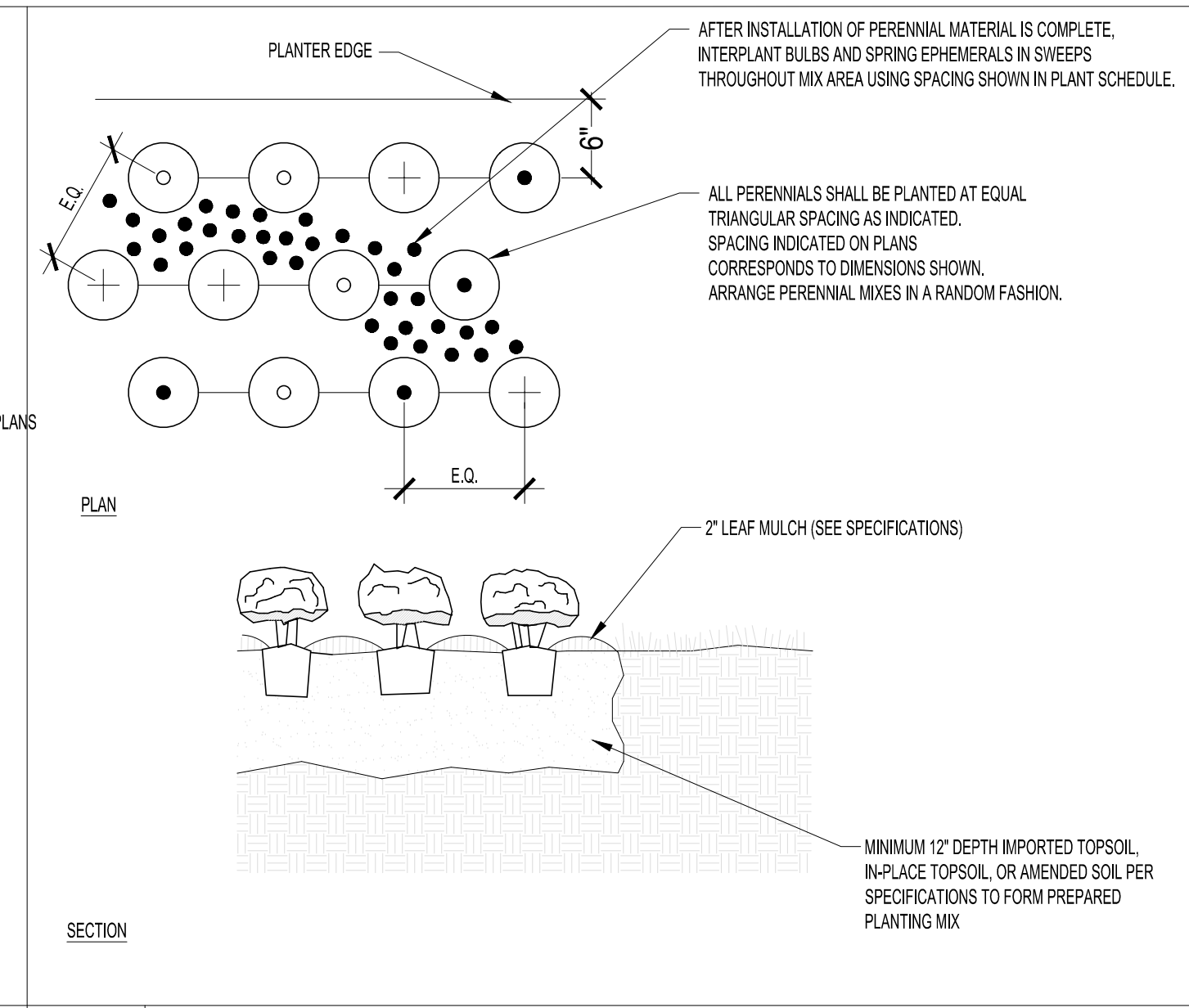
SHEET
L1.0
 OCC.DPIL13



NOTE:
 1. MAINTAIN PLANT PROTECTION FENCE AROUND ALL EXISTING TREES, OR AS SHOWN IN PLANS, FOR THE ENTIRE DURATION OF THE PROJECT.
 2. REFER TO SPECIFICATION 015639 'TEMPORARY TREE AND PLANT PROTECTION'.

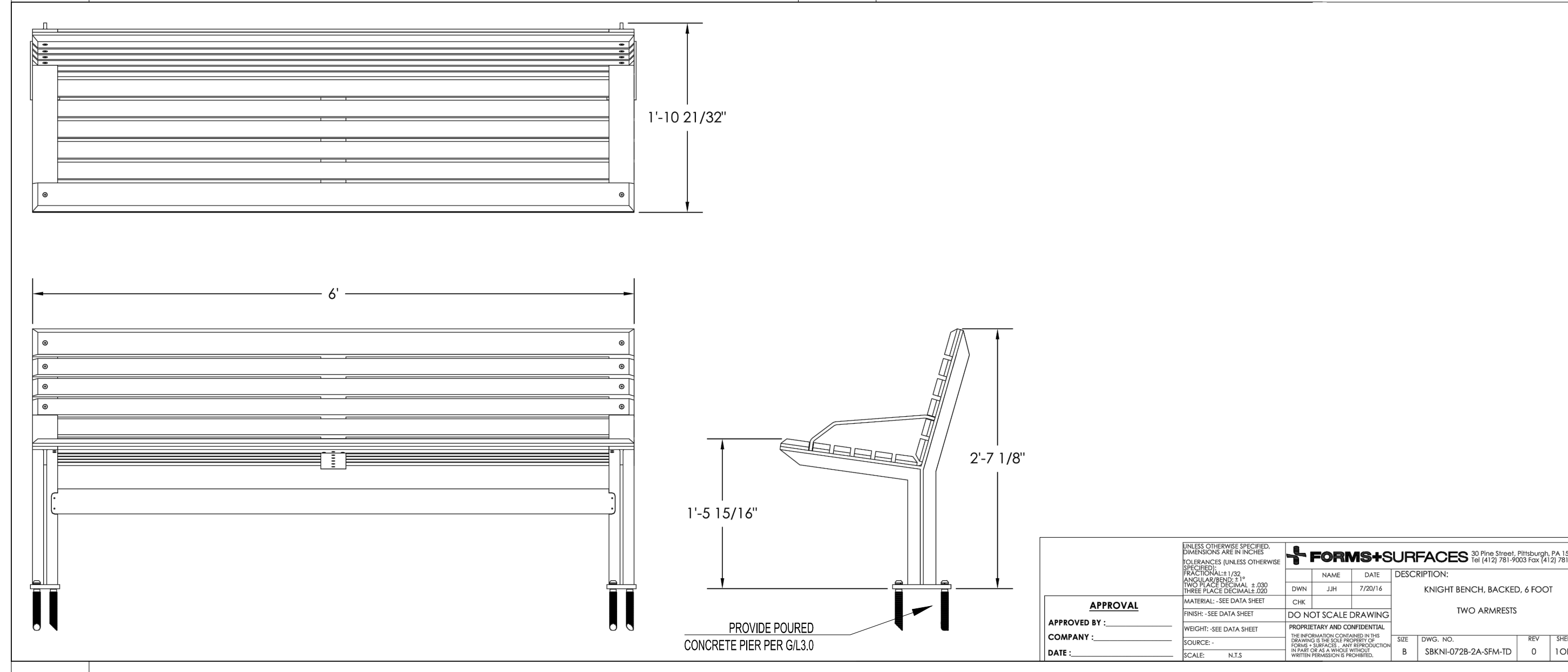
G BENCH PIERS
 © 2022 by Environmental Consulting & Technology, Inc. 1 1/2"=1'-0"
 L3.0 Construction Details

E PLANT PROTECTION ZONE
 © 2022 by Environmental Consulting & Technology, Inc. 1/4"=1'-0"
 L3.0 Construction Details



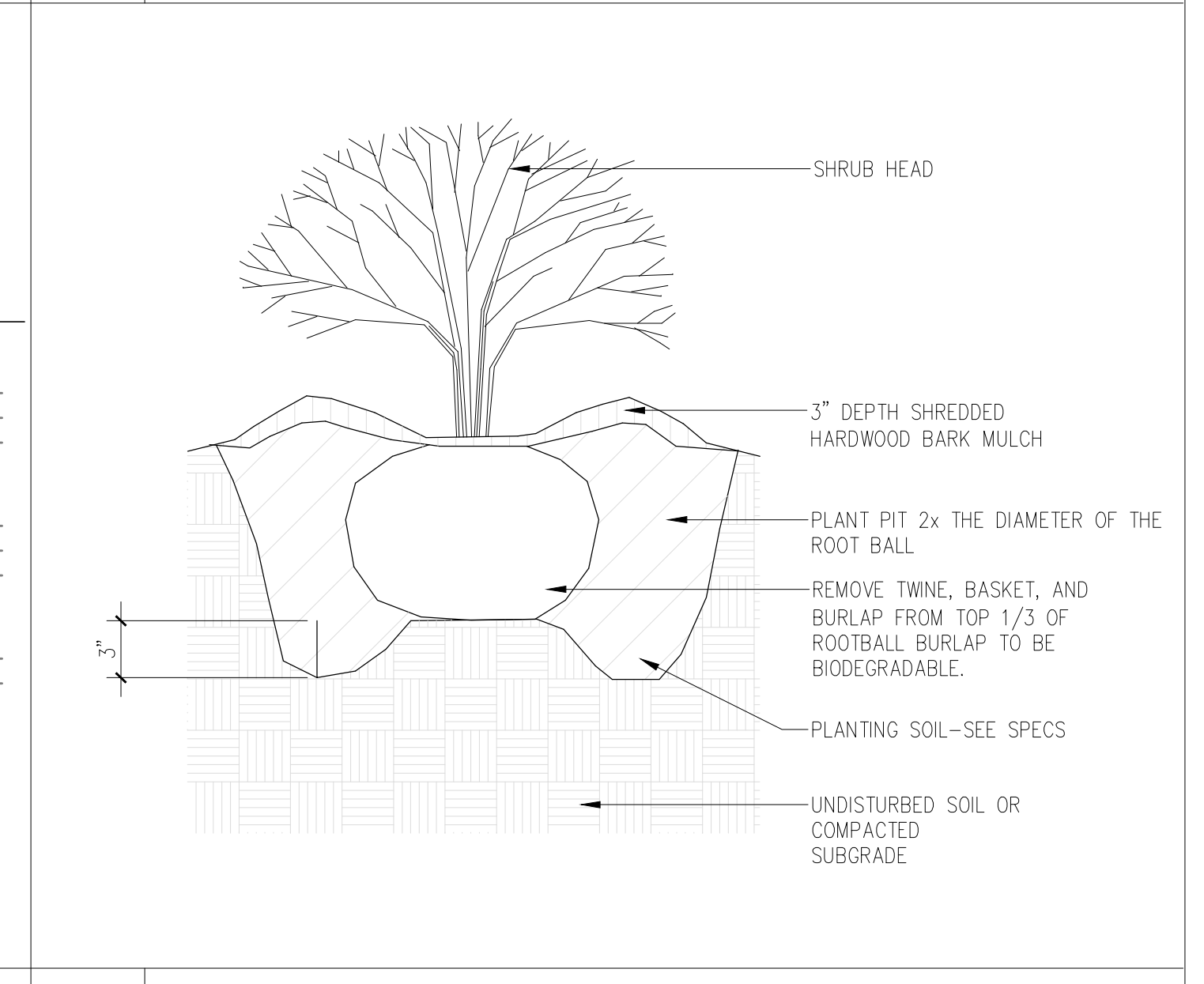
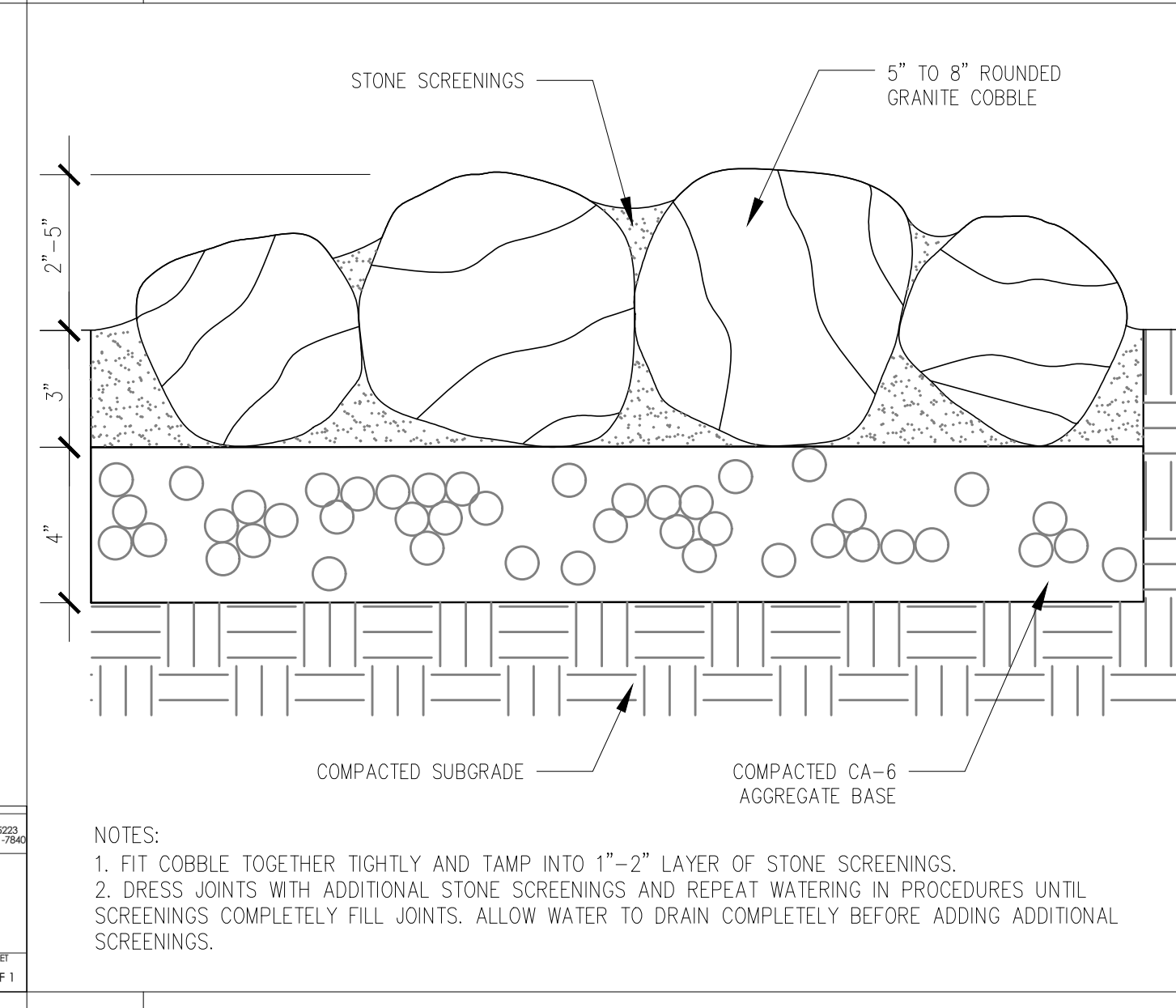
C GROUNDCOVER AND PERENNIAL PLANTING
 © 2022 Environmental Consulting & Technology, Inc. 1"=1'-0"
 L3.0 Construction Details

A DECIDUOUS TREE PLANTING
 © 2022 Environmental Consulting & Technology, Inc. 3/8"=1'-0"
 32 90 00_Deciduous Tree Planting-0.0313



APPROVAL		FORMS+SURFACES	
NAME	DATE	NAME	DATE
_____	_____	_____	_____
_____	_____	_____	_____

F BENCH
 NTS 3" = 1'-0"
 L3.0 Construction Details.dwg



D COBBLE PAVING
 © 2022 Environmental Consulting & Technology, Inc. 3" = 1'-0"
 L3.0 Construction Details.dwg

B SHRUB PLANTING
 © 2022 Environmental Consulting & Technology, Inc. 1 1/2" = 1'-0"
 32 93 00_Shrub Planting_02.0.1250

DATE	REVISIONS

ECT
 Environmental Consulting & Technology, Inc.
 40 W. Jackson Street, Suite 100
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OAKTON COMMUNITY COLLEGE COURTYARD REHABILITATION
 CITY OF DES PLAINES, ILLINOIS
 LANDSCAPE DETAILS

PROJ. MGR.: JAC
 PROJ. ASSOC.: JAC
 DRAWN BY: BEP/IB
 DATE: 10-27-22
 SCALE: 1"=10'

SHEET
L3.0
 OCC.DPIL13

KEYNOTES

KEYNOTES ARE TYPICALLY NOT DUPLICATED WITHIN A GIVEN DETAIL. AN UN-KEYNOTED ITEM IN A DETAIL IS THE SAME AS A KEYNOTED ITEM HAVING THE SAME APPEARANCE WITHIN THE SAME DETAIL.

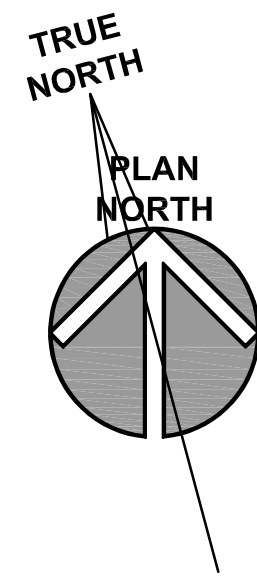
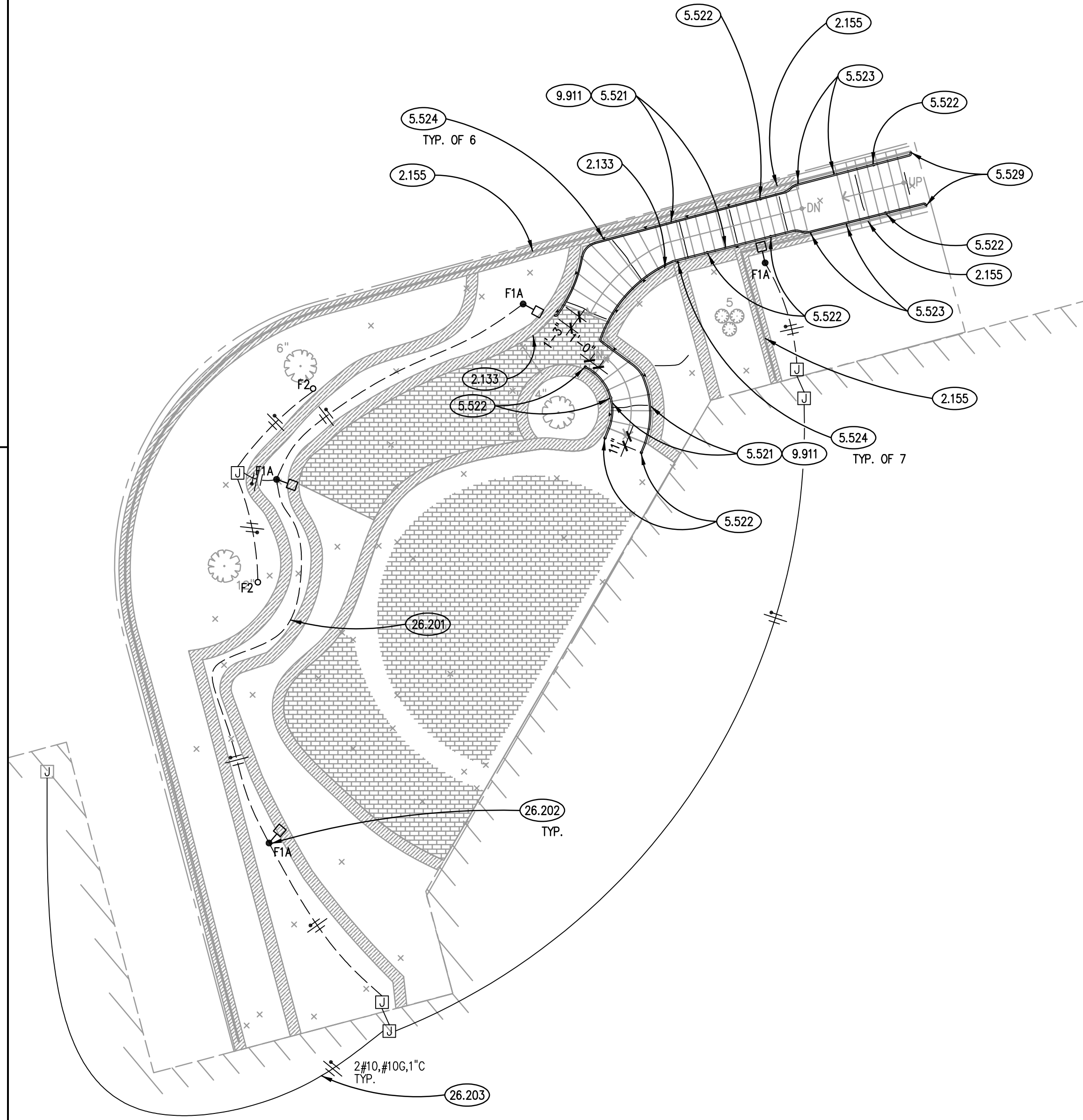
- 2.155 EXISTING PAINTED STEEL PIPE GUARD RAIL TO REMAIN.
- 2.133 EXISTING CAST-IN-PLACE CONCRETE RETAINING WALL.
- 2.455 REMOVE EXISTING STEEL PIPE HANDRAIL AND SUPPORT BRACKETS; EXTRACT EXISTING BRACKET SUPPORT ANCHORS AND FILL ANCHOR HOLES WITH NON-SHRINK, NON-METALLIC CEMENT GROUT IN COLOR TO MATCH EXISTING CONCRETE.

- 5.521 PIPE RAILING: HANDRAIL; 1-1/4" (NOM.) PLAIN STEEL SCHEDULE 40 PIPE; SET 2'-10" ABOVE ADJACENT WALKING SURFACE AND 2'-10" ABOVE SLOPED LINE CONNECTING NOSINGS OF STAIRS; FABRICATE AND INSTALL HANDRAIL SUCH THAT THERE IS A MINIMUM OF 1-1/2" CLEAR BETWEEN HANDRAIL AND EXISTING CONCRETE WALLS AND GUARDS; LOCATE SUPPORTS NOT MORE THAN 4'-0" O.C.; SHOP-PRIME FOR FIELD PAINTING; FIELD VERIFY EXISTING CONDITIONS AND DIMENSIONS PRIOR TO PREPARATION OF SHOP DRAWINGS.
- 5.522 PIPE RAILING SUPPORT: 1-1/4" (NOM.) PLAIN STEEL SCHEDULE 40 PIPE; CORE AND SET 6" (MIN.) INTO EXISTING CONCRETE SLAB/STAIR USING NON-SHRINK, NON-METALLIC GROUT; SHOP PRIME FOR FIELD PAINTING.
- 5.523 PIPE RAILING SUPPORT: 3/4" PLAIN STEEL BAR BENT TO "L" SHAPE; WELD TO HANDRAIL AND EXISTING GUARD RAIL POST; SHOP-PRIME FOR FIELD PAINTING.
- 5.524 PIPE RAILING SUPPORT: 3/4" PLAIN STEEL BAR BENT TO "L" SHAPE AND WELDED TO HANDRAIL AND 3" DIA. X 1/4" THICK PLAIN STEEL MOUNTING FLANGE PLATE WITH 3 HOLES; SHOP-PRIME FOR FIELD PAINTING; SURFACE-MOUNT TO FACE OF EXISTING CONCRETE USING 3/8" GALVANIZED STEEL EXPANSION ANCHORS.
- 5.529 PIPE RAILING ASSEMBLY: RETURN AND WELD END OF NEW HANDRAIL TO EXISTING GUARD RAIL POST.

- 9.911 PAINT HANDRAIL, MOUNTING BRACKETS AND MOUNTING POSTS; COLOR TO MATCH EXISTING GUARD RAIL; BLEND NEW PAINT INTO EXISTING AT WELD POINTS ON EXISTING GUARD RAIL.

- 26.100 DEMOLISH EXISTING LUMINAIRE INCLUDING BRANCH CIRCUITRY TO NEAREST LUMINAIRE TO REMAIN.
- 26.101 EXISTING STEP LIGHTING TO REMAIN (ABANDON IN PLACE).
- 26.102 EXISTING RECEPTACLE TO BE REMOVED.
- 26.103 EXISTING STEP LIGHTING TO REMAIN (ABANDON IN PLACE). PROVIDE NEW LOUVERED COVER PLATE. MATCH EXISTING FINISH: SILVER. NOMINAL SIZE: 10 3/8" X 5 3/4".
- 26.104 EXISTING SURFACE MOUNTED STEP LIGHTING TO BE DEMOLISHED.
- 26.105 EXISTING RECEPTACLE TO REMAIN.
- 26.106 NOMINAL LOCATION OF EXISTING SITE LIGHTING HOMERUN ACCORDING TO EXISTING RECORD DRAWINGS.

- 26.201 PROVIDE CONDUIT TRENCH. PROVIDE MINIMUM 24" COVER. SEE SITE LIGHTING TRENCHING DETAIL, THIS SHEET. COORDINATE WITH CIVIL ENGINEER.
- 26.202 PROVIDE HELICAL PILE POLE FOUNDATION AT GRADE. NOMINAL SHAFT SIZE 6-5/8", LENGTH 60".
- 26.203 FIELD LOCATE EXISTING SITE LIGHTING HOMERUN. PROVIDE PERMANENT SPLICE AND EXTEND BRANCH CIRCUITRY TO NEW LIGHTING TO BE INSTALLED.

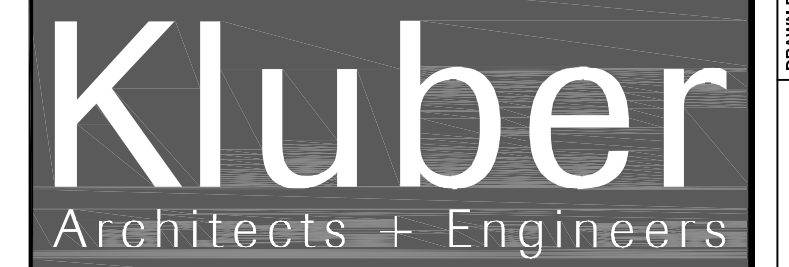


ARCHITECTURAL & ELECTRICAL PLAN ②
SCALE: 1/8" = 1'-0"

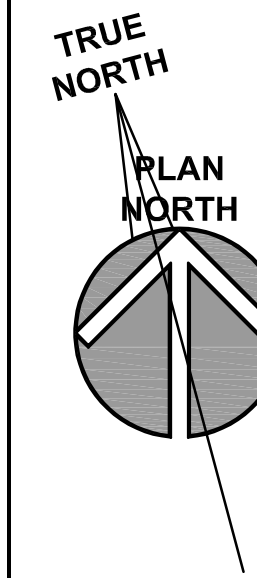
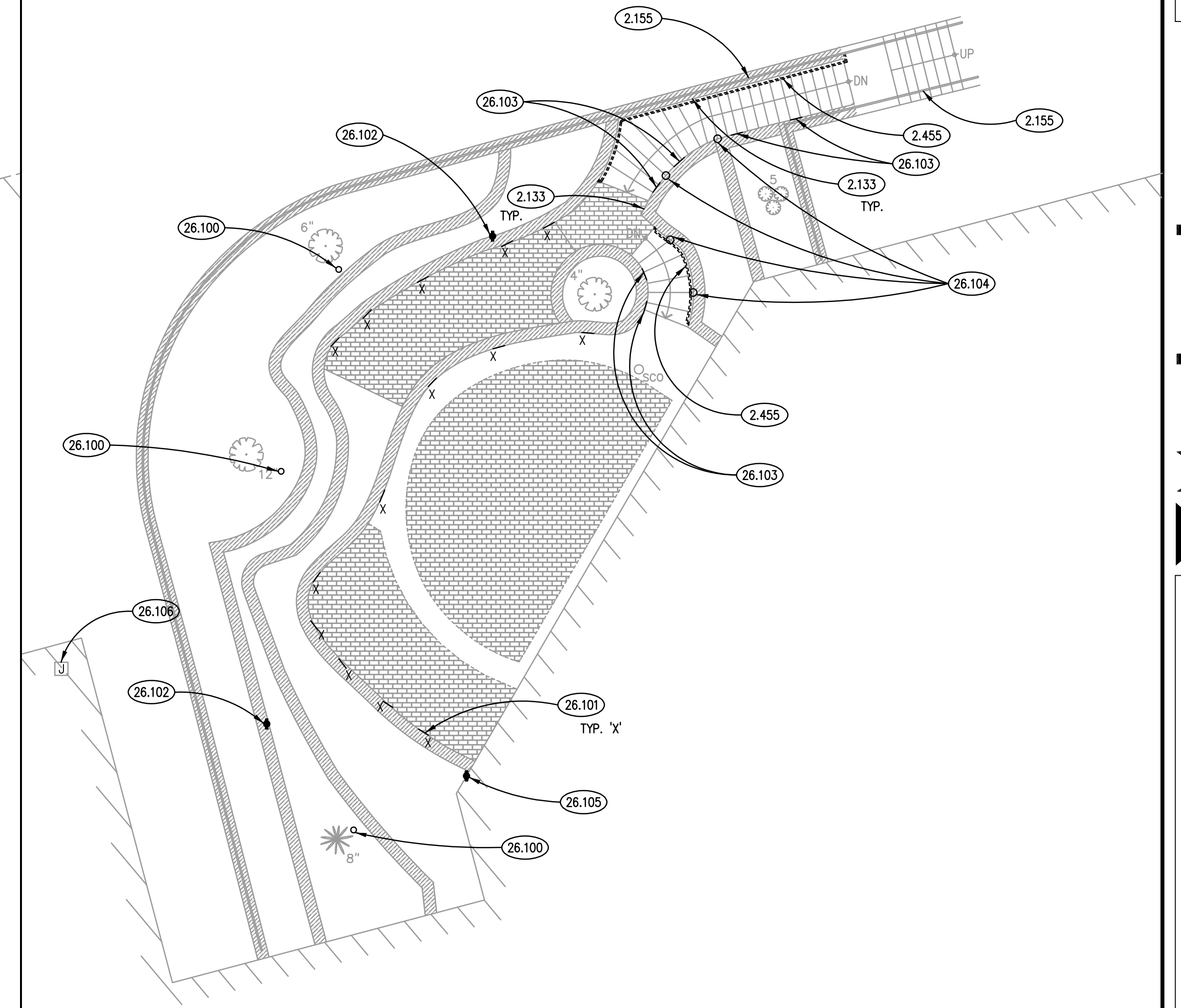
Kluber, Inc.
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REVISIONS	



ARCHITECTURAL & ELECTRICAL DEMOLITION PLAN ①
SCALE: 1/8" = 1'-0"

November 3, 2022 - 08:13 - Dwg Name: P:\1451 - Manhard - Oakton Pedestrian Lighting\30_Design\Design\Drawings\CD\60_Elec\1451AE2.0.dwg - Updated By: ATR



OAKTON COMMUNITY COLLEGE COURTYARD REHABILITATION
CITY OF DES PLAINES, ILLINOIS
ARCHITECTURAL & ELECTRICAL PLANS - LOWER COURTYARD

PROJ. MGR.: MTK
PROJ. ASSOC.: MTK
DRAWN BY: ATR
DATE: 11/04/22
SCALE: 1" = 10'-0"
SHEET
AE2.0
22-416-1451

100% CD DRAWINGS 11-04-22