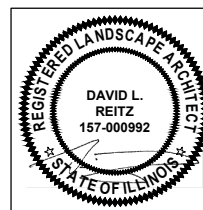


# McHENRY COUNTY COLLEGE PLAYGROUND RECONSTRUCTION DOCUMENTS

## McHENRY COUNTY COLLEGE CRYSTAL LAKE, ILLINOIS 2020

### PROJECT CONTACTS

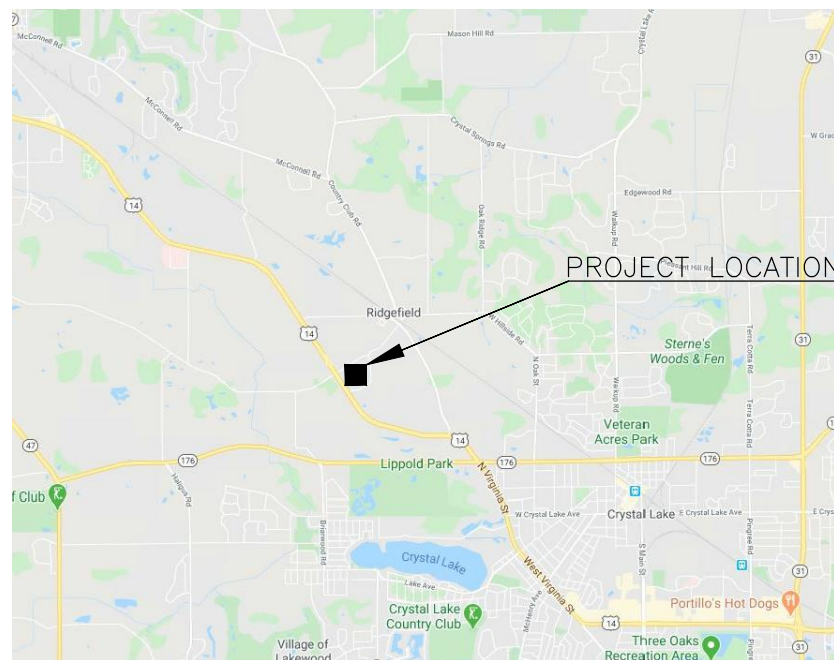
<b>OWNER:</b> McHENRY COUNTY COLLEGE 8900 U.S. HIGHWAY 14 CRYSTAL LAKE, ILLINOIS 60014 PHONE: (815) 455-8585 MR. TODD WHEELAND - ASSISTANT VICE PRESIDENT OF FACILITIES MANAGEMENT
<b>LANDSCAPE ARCHITECT:</b> HR GREEN, INC. 420 NORTH FRONT STREET, SUITE 100 McHENRY, IL 60050 PHONE: (815) 385-1778 DAVID L. REITZ, P.L.A. - PROJECT MANAGER



I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Landscape Architect under the laws of the State of Illinois.

David L. Reitz, P.L.A.	DATE
License Number: 157-000992	
My license renewal date is August 31, 2021.	
Pages or sheets covered by this seal:	
ALL SHEETS	

### LOCATION MAP



### SHEET INDEX

SHEET INDEX	Sheet Number	Sheet Title
	G.00	COVER SHEET
	G.01	GENERAL NOTES
	C.01	EXISTING CONDITIONS & DEMOLITION PLAN
	C.02	LAYOUT & DIMENSIONING PLAN
	C.03	LAYOUT & GRADING PLAN
	C.04	DETAILS
	C.05	DETAILS
	L.01	LANDSCAPE PLAN
	L.02	LANDSCAPE DETAILS

#### SITE BENCHMARKS:

SITE BENCHMARK 1  
 CUT CROSS IN CONCRETE CURB  
 ELEV=917.65 (NAVD 88)



420 N. FRONT STREET, SUITE 100 | McHENRY, IL 60050  
 Phone: 815.385.1778 | Toll Free: 800.728.7805 | Fax: 815.385.1781 | HRGreen.com



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BAR IS ONE INCH ON OFFICIAL DRAWINGS.  
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NO.	DATE	BY	REVISION DESCRIPTION



PLAYGROUND RECONSTRUCTION DOCUMENTS  
 McHENRY COUNTY COLLEGE  
 CRYSTAL LAKE, ILLINOIS

GENERAL  
 COVER SHEET

SHEET NO.  
 G.00

**SITE/CIVIL GENERAL NOTES:**

- ALL ITEMS OF THIS PROJECT SHALL BE GOVERNED BY SPECIFICATIONS INCLUDED IN THE DOCUMENTS LISTED BELOW:
  - "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" PREPARED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND ADOPTED BY SAID DEPARTMENT (LATEST REVISION).
  - "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" ADOPTED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION (LATEST REVISION).
  - "STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" (LATEST REVISION).
  - "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" (LATEST REVISION).
- BASE MAP INFORMATION IS ACCURATE AS OF THE DATE PRINTED ON THIS PACKAGE. AS-BUILT/BASE MAP SURVEY INFORMATION WAS COLLECTED IN DECEMBER 2019.
- NO DIMENSIONS SHALL BE ASSUMED BY SCALING.
- ALL SEDIMENTATION AND EROSION CONTROL REGULATIONS SHALL BE ADHERED TO PER CITY OF CRYSTAL LAKE, THE STATE OF ILLINOIS AND THE FEDERAL GOVERNMENT REQUIREMENTS.
- AREAS TO BE FILLED SHALL BE MONITORED BY A TESTING SERVICE FOR MATERIAL COMPOSITION AND COMPACTION (COLLEGE RESPONSIBILITY).
- ALL TOPSOIL SHALL BE STRIPPED PRIOR TO FILLING, CONTRACTOR TO STOCKPILE TOPSOIL AS NEEDED IN A LOCATION AS COORDINATED WITH THE ENGINEER. EXCESS TOPSOIL WILL BE PAID FOR AS REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL.
- EXISTING UTILITIES, TREES, OTHER LANDSCAPING, STRUCTURES, AND PAVEMENT LOCATIONS SHOWN ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY THE EXACT LOCATIONS OF THESE OR ANY OTHER EXISTING FACILITIES AS REQUIRED FOR COMPLETION OF PROJECT.
- WHERE EXISTING UTILITY FIXTURES ARE SHOWN AS EXISTING ON THE PLANS OR ENCOUNTERED WITHIN THE CONSTRUCTION AREA, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ENGINEER OF THOSE UTILITIES PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL ALLOW ACCESS TO THESE FACILITIES FOR NECESSARY MODIFICATION OF SERVICES. UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS, AND THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS NOT KNOWN OR SHOWN, IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND THE EXACT LOCATIONS OF THESE UTILITIES AND PREVENT DAMAGE THERETO. NO CLAIMS FOR ADDITIONAL COMPENSATION SHALL BE ALLOWED TO CONTRACTOR FOR ANY INTERFERENCE OR DELAY CAUSED BY SUCH WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR BECOMING AWARE OF AND FIELD VERIFYING ALL RELATED EXISTING AND PROPOSED CONDITIONS, UTILITIES, PIPES AND STRUCTURES, ETC. PRIOR TO BIDDING AND CONSTRUCTION. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR CONTACTING J.U.L.E., THE MUNICIPAL PUBLIC WORKS DEPARTMENT, THE COUNTY AND ANY OTHER PUBLIC OR PRIVATE AGENCIES NECESSARY FOR UTILITY LOCATION PRIOR TO ANY CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF APPARENT CONFLICTS WITH CONSTRUCTION AND UTILITIES SO THAT ADJUSTMENTS CAN BE PLANNED PRIOR TO INSTALLATION. IF FIELD ADJUSTMENTS ARE NECESSARY DUE TO EXISTING UTILITY LOCATIONS THEY MUST BE APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL TAKE SOLE RESPONSIBILITY FOR ANY AND ALL COSTS OR OTHER LIABILITIES INCURRED DUE TO DAMAGE OF SAID UTILITIES/STRUCTURES/ETC.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS PRIOR TO BIDDING ON THE PROJECT.
- THE CONTRACTOR SHALL APPLY FOR AND PROCURE ALL REQUIRED PERMITS PRIOR TO COMMENCING WORK.
- THE CONTRACTOR SHALL COMPLY WITH ALL CODES APPLICABLE TO THIS WORK.
- THE CONTRACTOR SHALL STAKE ALL IMPROVEMENTS AS NOTED ON THE FOLLOWING PLANS, AS WELL AS, TREE LOCATIONS AND THE PERIMETER OF SHRUB/PERENNIAL BEDS PRIOR TO INSTALLATION AND CONTACT THE ENGINEER FOR APPROVAL PRIOR TO EXCAVATING THE FOUNDATIONS AND FOOTINGS. FINAL LOCATION AND STAKING OF ALL IMPROVEMENTS SHALL BE ACCEPTED BY THE ENGINEER IN ADVANCE OF INSTALLATION.
- SEE LANDSCAPE PLAN FOR PROPOSED SITE RESTORATION.
- ALL DISTURBED AREAS TO BE RESTORED W/ 4" TOPSOIL RESPREAD & SOD UNLESS OTHERWISE NOTED ON PLANS.
- ALL PROPOSED UTILITY SERVICE (SANITARY, WATER & ELECTRICAL) LOCATIONS TO BE VERIFIED PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL VERIFY PROJECT COMPLIES WITH ALL ADAAG GUIDELINES.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL SITE MAINTENANCE DURING THE PERIOD OF CONSTRUCTION. CONTRACTOR SHALL KEEP THE SITE CLEAN.
- ALL UNDERGROUND ELECTRICAL WORK SHALL BE COORDINATED WITH THE ELECTRIC COMPANY AND COORDINATED IN A TIMELY MANNER.
- CONSTRUCTION ACTIVITIES SHALL BE SCHEDULED TO ALLOW FOR COMPLETION OF THE LANDSCAPING WORK WITHIN THE SUBSTANTIAL COMPLETION DATE (JUNE 30TH). LANDSCAPING PERFORMED OUTSIDE OF THE SUBSTANTIAL COMPLETION TIMEFRAME MUST BE APPROVED BY OWNER.

**TRAFFIC CONTROL & STAGING NOTES:**

- THE CONTRACTOR SHALL EMPLOY SOUND PRACTICES OF SAFETY AND TRAFFIC CONTROL.
- STAGING AREA SHALL BE THE ACCESS DRIVE EAST OF THE IMPROVEMENTS. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER TO CONFIRM STAGING LOCATION PRIOR TO THE START OF CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR RESTORING THE STAGING AREA BACK TO ACCEPTABLE/IT'S ORIGINAL CONDITION, INCLUDING GRADING, GROUND COVER CONDITION, ETC. THE PROPERTY SHALL BE MADE EQUAL TO OR BETTER THAN THE EXISTING SITE CONDITION PRIOR TO CONSTRUCTION STAGING.

**SITE DESCRIPTION:**

THE FOLLOWING IS A DESCRIPTION OF THE CONSTRUCTION ACTIVITY WHICH IS THE SUBJECT OF THIS PLAN: CHILDREN'S LEARNING CENTER - OUTDOOR PLAY AREA RECONSTRUCTION.

- THE PROPOSED DEVELOPMENT CONSISTS OF CONSTRUCTION OF AN OUTDOOR PLAY AREA. THE CONSTRUCTION ACTIVITIES FOR SITE IMPROVEMENTS WILL INCLUDE: DEMOLITION, CONCRETE FLATWORK, CONCRETE STAINING, PLAYGROUND EQUIPMENT, SHADE STRUCTURE, UNDERDRAIN, FENCING, LANDSCAPING, MINOR GRADING AND TURF RESTORATION.
- THE FOLLOWING IS A DESCRIPTION OF THE INTENDED SEQUENCE OF MAJOR ACTIVITIES WHICH WILL DISTURB SOILS FOR MAJOR PORTIONS OF THE CONSTRUCTION SITE SUCH AS EXCAVATION, AND GRADING:

THE SEQUENCE OF THE CONSTRUCTION ACTIVITIES MAY BE AS FOLLOWS: 1) INSTALL NECESSARY EROSION CONTROL MEASURES AND CONSTRUCTION FENCING. 2) DEMOLITION / CLEARING AND GRUBBING. 3) TOPSOIL STRIPPING. 4) UNDERGROUND UTILITIES INSTALLATION. 5) GRADING. 6) HARDSCAPE IMPROVEMENT INSTALLATIONS. 7) FINE GRADING, PLANTING AND SODDING. THE SOIL EROSION AND SEDIMENTATION CONTROL ITEMS WILL BE INSTALLED AS NEEDED DURING THE ABOVE CONSTRUCTION ACTIVITIES.

**EROSION CONTROL NOTES:**

- SITE GRADING SHALL NOT PROCEED UNTIL EROSION CONTROL MEASURES HAVE BEEN INSTALLED.
- ALL SIDEWALKS, STREETS AND DRIVEWAYS MUST BE KEPT CLEAN AT ALL TIMES.

- PROVIDE EROSION CONTROL MEASURES AROUND TOPSOIL STOCKPILES AS NECESSARY TO PREVENT EROSION. PAID FOR AS PERIMETER EROSION BARRIER.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF SILT FENCING, INLET PROTECTION AND OTHER EROSION CONTROL MEASURES ONCE THE WORK IS COMPLETED AND THE SITE HAS BEEN STABILIZED TO 70% VEGETATIVE COVERAGE MINIMUM.
- IF ANY ADDITIONAL SOIL EROSION MEASURES ARE DEEMED NECESSARY BY THE ENGINEER, THESE MEASURES MUST BE IMMEDIATELY IMPLEMENTED BY THE CONTRACTOR.

**EROSION CONTROL SEQUENCE NOTES:**

- INSTALL EROSION CONTROL MEASURES AND SILT FILTER FENCE AS NECESSARY.
- STRIP AND STOCKPILE TOPSOIL, STABILIZE STOCKPILES WITHIN 7 DAYS.
- CONTINUE GRADING, STABILIZE COMPLETED AREAS WITH PERMANENT STABILIZATION OR INACTIVE AREAS WITH TEMPORARY STABILIZATION WITHIN 7 DAYS.
- INSTALL UTILITIES.
- COMPLETE GRADING.
- INSTALL HARDSCAPE IMPROVEMENTS.
- INSTALL PERMANENT SODDING AND PLANTINGS.
- WHEN ALL CONSTRUCTION ACTIVITY IS COMPLETE AND THE SITE IS STABILIZED, RE-SOD ANY REMAINING DISTURBED AREAS.
- REMOVE ALL TEMPORARY EROSION CONTROL MEASURES ONCE VEGETATION REACHES 70% COVERAGE.

**GRADING CONSTRUCTION NOTES:**

- NO SUB-SURFACE EXPLORATION DATA HAS BEEN COLLECTED FOR THIS PROJECT. GEO-TECHNICAL SERVICES AND SOIL BORING LOGS WERE NOT PREPARED OR PROVIDED AS PART OF THE CONSULTANT'S DESIGN CONTRACT.
- CONTRACTOR SHALL CUT AND FILL SITE AS REQUIRED TO OBTAIN FINISHED ELEVATIONS SHOWN ON PLANS. COMPACT SELECT BACKFILL MATERIAL TO 95% STANDARD PROCTOR DENSITY AS PER ASTM D-698. ALL REQUIREMENTS OF PROJECT SPECIFICATIONS FOR EARTHWORK SHALL BE MET.
- CONTRACTOR TO PROVIDE TEMPORARY MEASURES TO CONTROL STORM WATER RUN-OFF DURING CONSTRUCTION AS REQUIRED TO MINIMIZE EROSION.
- THE FILL SHALL BE PLACED IN LOOSE LIFTS NOT EXCEEDING 8-INCHES AND COMPACTED TO 95% OF MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D-698. THE MOISTURE CONTENT FOR COMPACTION OF THE SITE FILL SHALL BE AS DETERMINED BY THE SOILS ENGINEER.

**CONSTRUCTION NOTES:**

- CONTRACTOR SHALL NOTIFY THE ENGINEER 48 HOURS PRIOR TO COMMENCEMENT OF WORK TO COORDINATE INSPECTION SCHEDULES.
- ANY REQUIRED CHANGES TO THE DRAWINGS RESULTING FROM THE ACCEPTANCE OF CONTRACTOR'S ALTERNATES AND/OR SUBSTITUTIONS ARE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
- THE CONTRACTOR SHALL COORDINATE THE STORING OF MATERIALS, PARKING OF VEHICLES AND RESTRICTIONS OF WORK AND ACCESS WITH THE OWNER.
- ALL CONSTRUCTION COVERED BY THESE CONTRACT DOCUMENTS SHALL BE IN CONFORMANCE WITH THE LATEST EDITION OF ALL APPLICABLE CITY, COUNTY, AND OSHA CODES AND STANDARDS INCLUDING BUT NOT LIMITED TO THE UNIFORM BUILDING CODE, ENACTED BY THE CONFERENCE OF BUILDING OFFICIALS, MOST RECENT EDITION, AND AMENDMENTS AS ADOPTED BY LOCAL GOVERNMENT.
- THE CONTRACTOR SHALL PROVIDE ALL LABOR, EQUIPMENT, MATERIALS, AND SUPERVISION NECESSARY TO ACCOMPLISH THE WORK AS SHOWN AND NOTED ON THE DRAWINGS UNLESS OTHERWISE NOTED.
- CONTRACTORS AND SUBCONTRACTORS ARE RESPONSIBLE FOR REMOVAL OF TRASH AND REPAIR OF HAZARDOUS CONDITIONS (I.E. TOOLS, OPEN EXCAVATIONS, ETC.) ON A DAILY BASIS BY THE END OF THE WORK DAY.
- UPON COMPLETION OF CONSTRUCTION AND PRIOR TO FINAL APPROVAL, CONTRACTOR SHALL THOROUGHLY CLEAN UP THE PROJECT SITE AND REMOVE ALL TRASH, SCRAPS, BRICK, ROCKS, MORTAR, ETC. REPAIR ALL DAMAGE TO FINISH GRADES INCLUDING TAILINGS FROM EXCAVATIONS, WHEEL RUTS, OR ANY SETTLING OR EROSION OCCURRING PRIOR TO COMPLETION.
- THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY DAMAGE TO EXISTING ELECTRICAL, WATER, WASTEWATER, STORM WATER LINES AND TRAFFIC CONTROL DEVICES. ETC. ALL DAMAGES SHALL BE REPAIRED IN ACCORDANCE WITH THE GOVERNING AUTHORITY, AT NO COST TO THE OWNER.
- ADEQUATE DRAINAGE SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION. THE DRAINAGE INCLUDES SURFACE AND GROUND WATER. ANY DRAINAGE DITCH OR STRUCTURE DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO THE SATISFACTION OF THE OWNING AUTHORITY.
- CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PROTECT ROOT SYSTEMS OF SHRUBS, PLANTS AND TREES ALONG THE AREA OF EXCAVATION. THIS SHALL BE PAID FOR AS TEMPORARY FENCE AND TREE ROOT PRUNING.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE APPROVED WASTE AREAS OR DISPOSAL SITES FOR EXCESS MATERIAL WHICH IS NOT DESIRABLE TO BE INCORPORATED INTO THE WORK INVOLVED WITH THIS PROJECT. WASTE MATERIALS INCLUDING PAVEMENT REMOVED DURING CONSTRUCTION, MASONRY WALLS, CONCRETE, CONSTRUCTION DEBRIS AND EXCESS EXCAVATED MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE PROJECT SITE AND DISPOSED OF PROPERLY BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE TO ACQUIRE ANY PERMIT REQUIRED FOR SUCH DISPOSAL. WASTE MATERIAL MUST BE REMOVED FROM SITE PRIOR TO INITIAL INSPECTION AND ACCEPTANCE. BURNING ON THE SITE WILL NOT BE PERMITTED. NO SOLID MATERIALS, INCLUDING BUILDING MATERIALS, SHALL BE DISCHARGED INTO WATERS OF THE STATE.
- DURING REMOVAL AND CONSTRUCTION, THE CONTRACTOR SHALL USE ALL MEANS NECESSARY TO CONTROL DUST SPREADING FROM ALL WORK AND STAGING AREAS. DUST CONTROL MEASURES SHALL BE IN ACCORDANCE WITH ARTICLE 107.36 SPECIFICATIONS AND APPROVED BY THE ENGINEER.
- SURFACE RESTORATION: AT THE END OF ALL CONSTRUCTION PROJECTS THE CONTRACTOR SHALL RESTORE THE EXISTING FACILITIES AND ALL SPOIL MATERIAL, VEGETATION, AND DEBRIS SHALL BE HAULED AND DISPOSED OF OFF SITE. THE PROPERTY SHALL BE MADE EQUAL TO OR BETTER THAN THE EXISTING SITE CONDITION PRIOR TO CONSTRUCTION.
- FINAL APPROVAL OF GRADES IN GRASS AREAS AND SWALES SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION OF LANDSCAPING MATERIALS TO ENSURE POSITIVE DRAINAGE.

**LANDSCAPING GENERAL NOTES:**

- THE LANDSCAPE PLANS CONTAINED HEREIN ILLUSTRATE APPROXIMATE LOCATIONS OF ALL SITE CONDITIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH SUBCONTRACTORS AND OTHER CONTRACTORS OF RELATED TRADES, AS REQUIRED, TO ACCOMPLISH THE PLANTING AND RELATED OPERATIONS.
- THE CONTRACTOR SHALL COORDINATE INSTALLATION OF ALL PLANT MATERIAL WITH THE INSTALLATION OF OTHER IMPROVEMENTS SUCH AS HARDSCAPE ELEMENTS AND RELATED STRUCTURES. ANY DAMAGE TO EXISTING IMPROVEMENTS IS THE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR IS RESPONSIBLE TO RESTORE ALL AREAS OF THE SITE, OR ADJACENT AREAS, WHERE DISTURBED BY OPERATIONS OF OR RELATED TO THE CONTRACTOR'S WORK. ANY DAMAGE TO EXISTING IMPROVEMENTS IS THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL SURFACE DRAINAGE SHALL BE DIVERTED AWAY FROM STRUCTURES AND NOTED SITE FEATURES IN ALL AREAS AS SHOWN ON THE GRADING PLANS. ALL AREAS SHALL POSITIVELY DRAIN.
- IF CONFLICTS ARISE BETWEEN THE SIZE OF AREAS AND PLANS, THE CONTRACTOR IS REQUIRED TO CONTACT THE ENGINEER FOR RESOLUTION PRIOR TO INSTALLATION.
- ALL PLANTS SHALL BE NURSERY GROWN PLANTS MEETING AMERICAN NURSERY AND LANDSCAPE ASSOCIATION (ANLA) STANDARDS SET FORTH IN THE "AMERICAN STANDARD FOR NURSERY STOCK" (ANSI Z60.1-LATEST EDITION). PLANTS ARE TO BE TYPICAL IN SHAPE AND SIZE FOR SPECIES. PLANTS PLANTED IN ROWS OR GROUPS SHALL BE MATCHED IN FORM. PLANT MATERIAL OF THE SAME SPECIES SHALL BE OBTAINED FROM THE SAME SOURCE. PLANTS SHALL NOT BE ROOT-BOUND OR LOOSE IN THEIR CONTAINERS. HANDLE ALL PLANTS WITH CARE IN TRANSPORTING, PLANTING AND MAINTENANCE UNTIL INSPECTION AND FINAL ACCEPTANCE. FIELD COLLECTED MATERIAL SHALL NOT BE USED UNLESS APPROVED BY THE ENGINEER.
- ALL PLANTING BED EDGES TO BE SHOVEL CUT.
- ALL AREAS DESIGNED TO RECEIVE SOLID SOD SHALL BE APPROVED BY THE ENGINEER PRIOR TO GRASSING OPERATIONS. FINISH GRADE AT TURF AREAS SHALL BE 3/4"-1" BELOW TOP OF ADJACENT PAVEMENT OR CURBS.
- MUSHROOM COMPOST SHALL BE FINELY SCREENED, HOMOGENOUS, DECOMPOSED ORGANIC MATERIAL SUITABLE FOR HORTICULTURAL USE. MIX THOROUGHLY IN PLANT BED BEFORE INSTALLING PLANTS.



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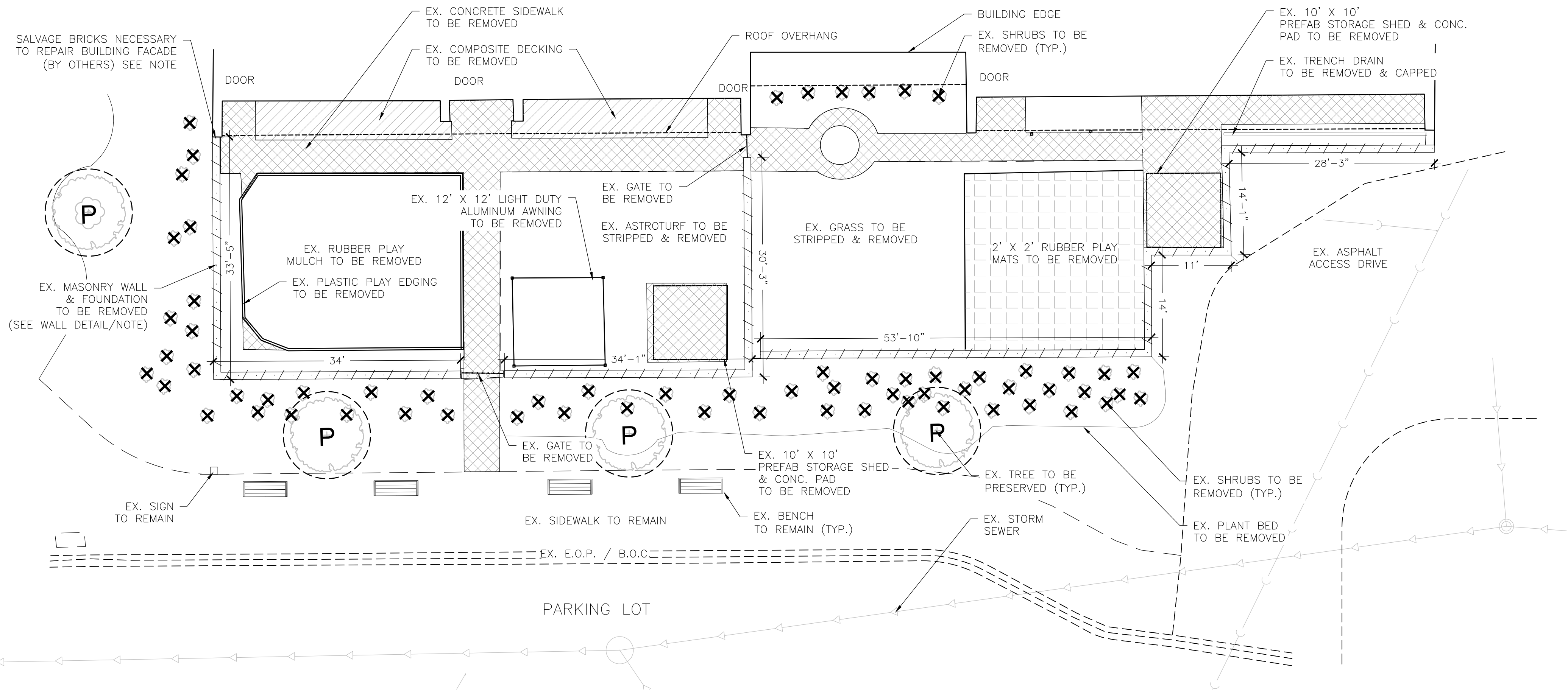
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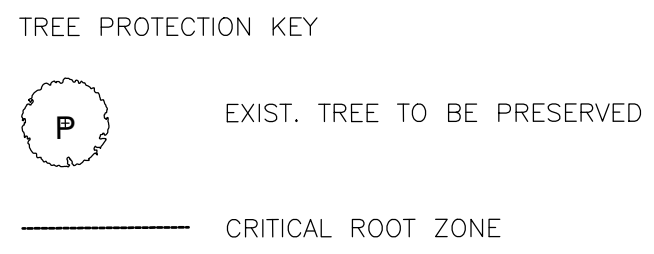
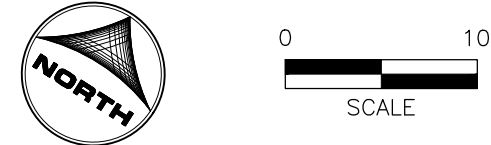
PLAYGROUND RECONSTRUCTION DOCUMENTS  
 McHENRY COUNTY COLLEGE  
 CRYSTAL LAKE, ILLINOIS

GENERAL  
 GENERAL NOTES

SHEET NO.  
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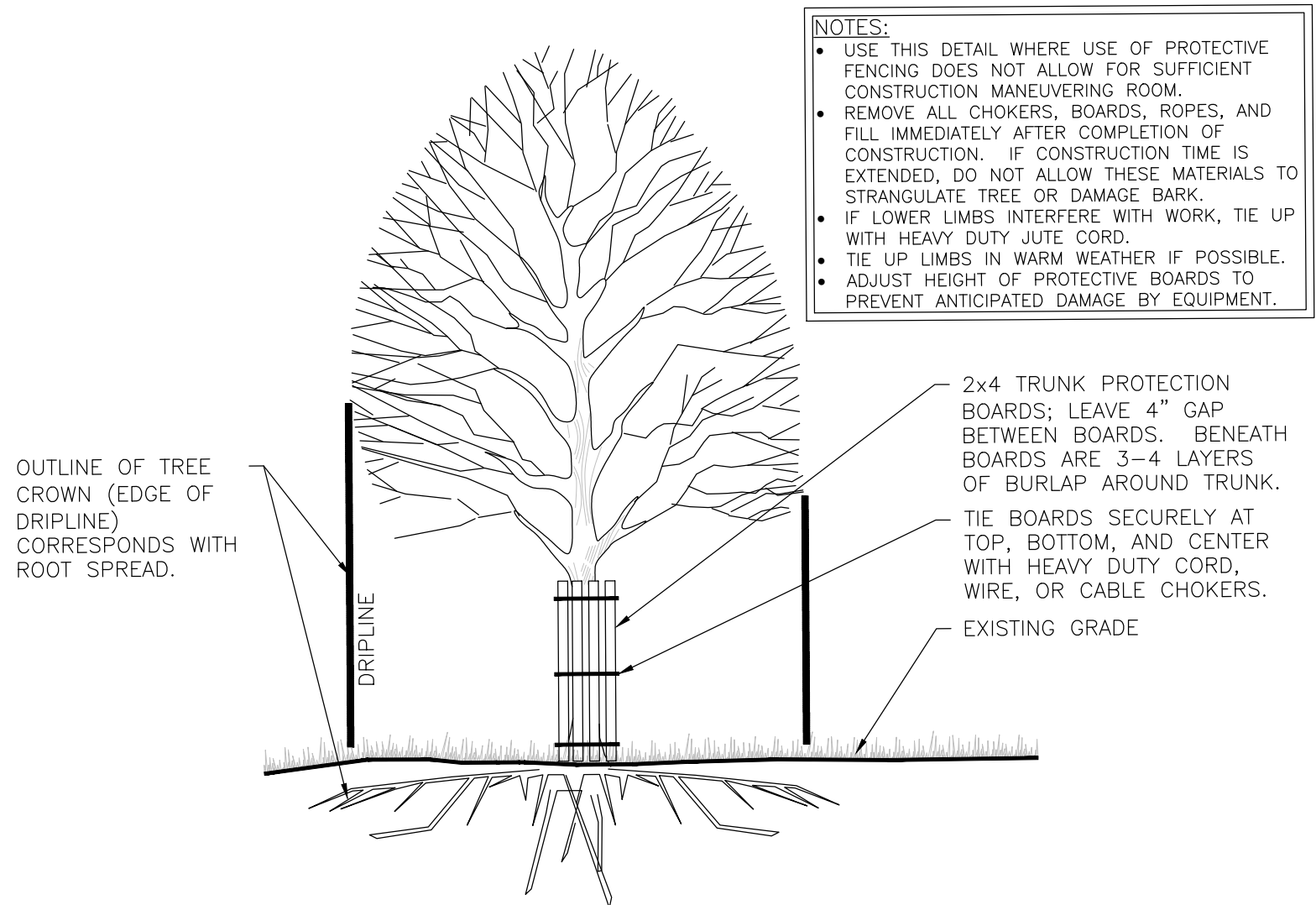
**1 EXISTING CONDITIONS & DEMOLITION PLAN**  
SCALE: 1" = 10'-0"



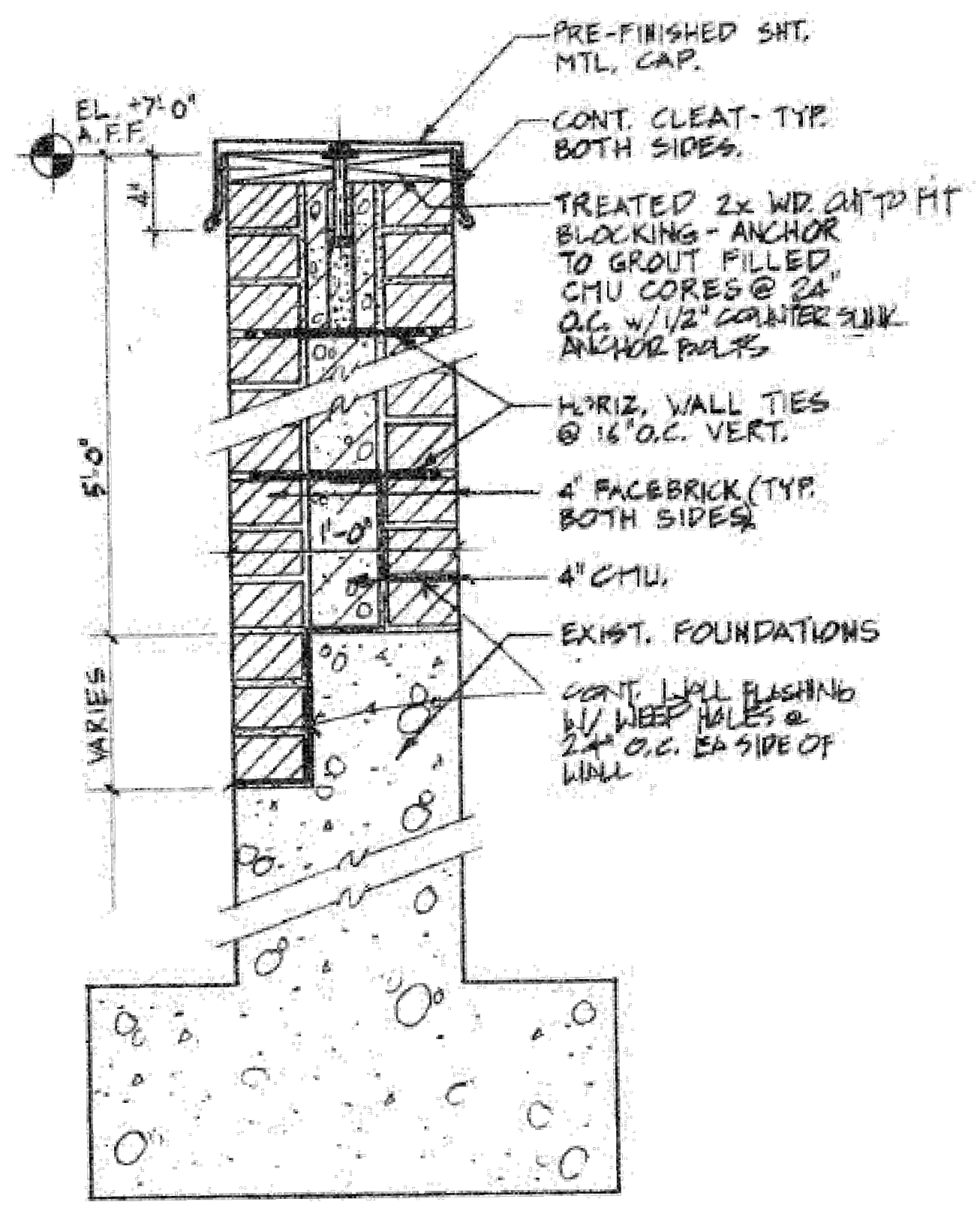
TOTAL QUANTITIES (IN VICINITY OF DISTURBANCE AND PROPOSED IMPROVEMENTS)

EXIST. TREES TO BE PRESERVED	4
EXIST. TREES TO BE REMOVED	0
TOTAL EXISTING TREES TAGGED	4

- GENERAL NOTES**
- THE INTENT IS TO KEEP THE EXISTING TREES TO BE PRESERVED IN TACT THROUGHOUT THE DURATION OF CONSTRUCTION ON-SITE. IF THE TREES ARE DAMAGED DURING CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR REPLACING TREES EQUAL IN CALIPER.

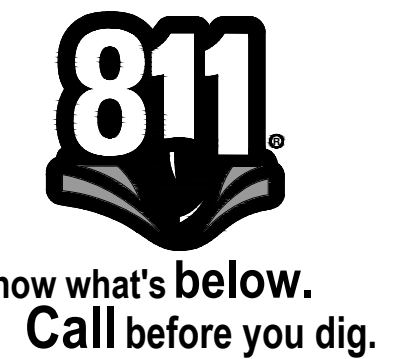


**2 TYP. TREE TRUNK PROTECTION DETAIL**  
SCALE: NTS



**M1 EXISTING SCREEN WALL @ PLAY AREA**  
1/2" = 1'-0"

- NOTES:**
- CONTRACTOR TO REMOVE AND DISPOSE OF ALL ITEMS WITHIN THE PLAY AREA AS NOTED ON PLAN.
  - CONTRACTOR RESPONSIBLE FOR ALL CLEARING AND GRUBBING.
  - CONTRACTOR TO SALVAGE AND STOCKPILE A SUFFICIENT AMOUNT OF CLEAN MASONRY BRICKS FREE FROM CHIPS AND CRACKS FOR FUTURE REPAIR OF BUILDING FACADE WHERE THE WALL MEETS THE BUILDING. BRICK REPAIR TO BE DONE BY OTHERS.
  - THE EXISTING SCREEN WALL DETAIL HAS BEEN PROVIDED BY OWNER TO ILLUSTRATE THE CONSTRUCTION DETAILING AND FOUNDATION OF THE EXISTING MASONRY WALL TO BE REMOVED.
  - ALL EXISTING IRRIGATION LINES DAMAGED OR BROKEN DURING CONSTRUCTION SHALL BE REPAIRED.
  - EXISTING ELECTRICAL ATTACHED TO THE MASONRY SCREEN WALL TO BE REMOVED SHALL BE PROPERLY ABANDONED PER LOCAL AND STATE CODES



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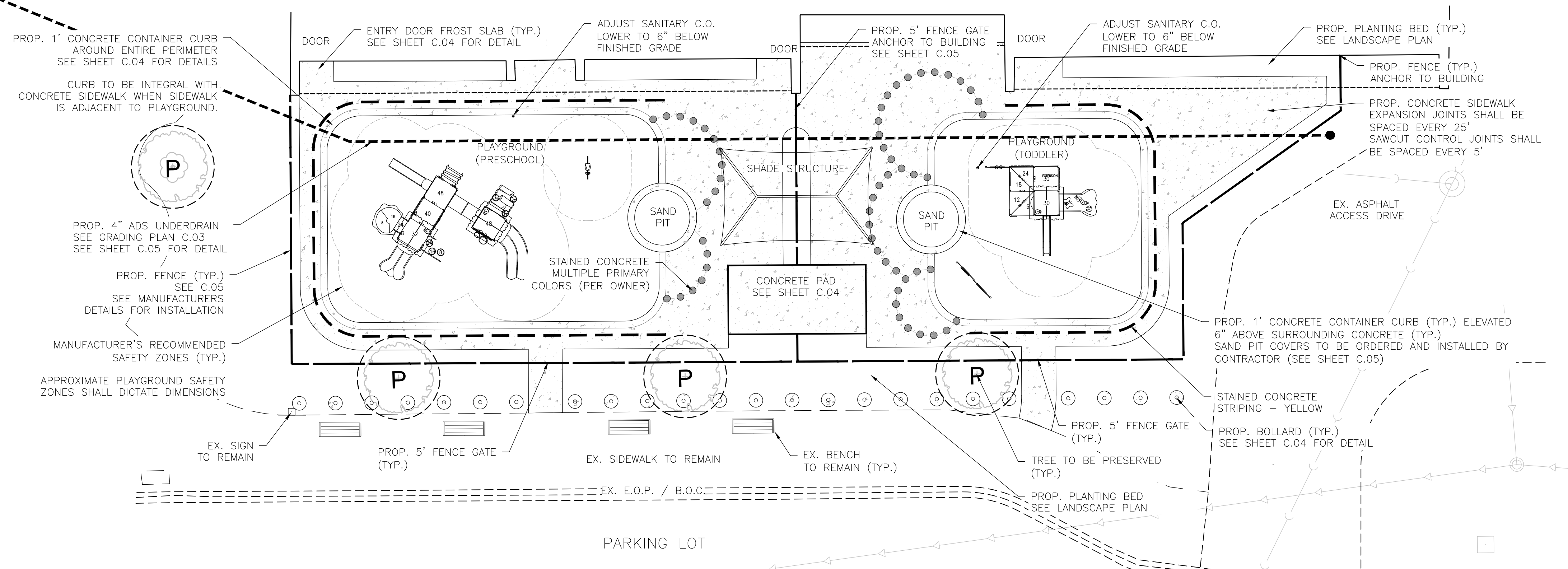
PLAYGROUND RECONSTRUCTION DOCUMENTS  
McHENRY COUNTY COLLEGE  
CRYSTAL LAKE, ILLINOIS

CIVIL - SITE WORK  
EXISTING CONDITIONS & DEMOLITION PLAN

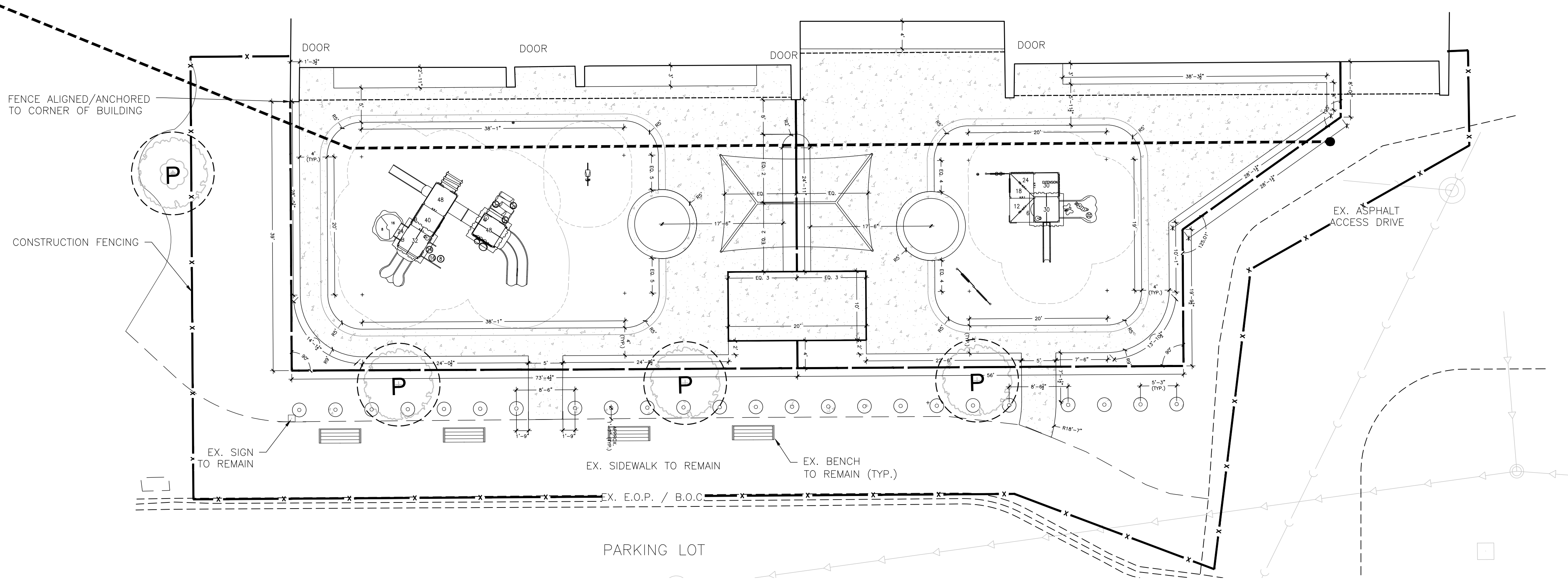
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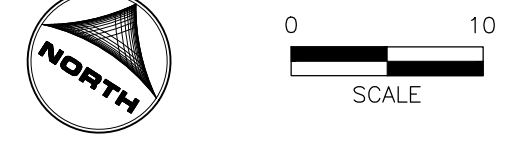




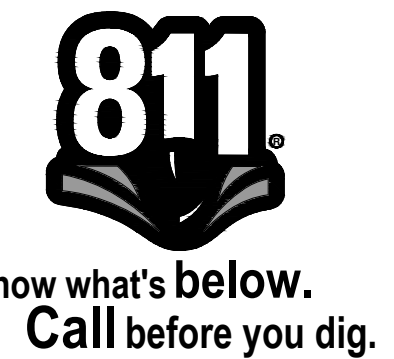
1 LAYOUT PLAN  
SCALE: 1" = 10'-0"



2 DIMENSIONING PLAN  
SCALE: 1" = 10'-0"



- NOTES:
1. CONTRACTOR TO SUBMIT A CONCRETE EXPANSION / CONTRACTION JOINTING PLAN FOR APPROVAL PRIOR TO COMMENCING WORK.
  2. CONTRACTOR TO PROVIDE CONSTRUCTION FENCING DURING CONSTRUCTION AS NECESSARY TO SECURE THE SITE.



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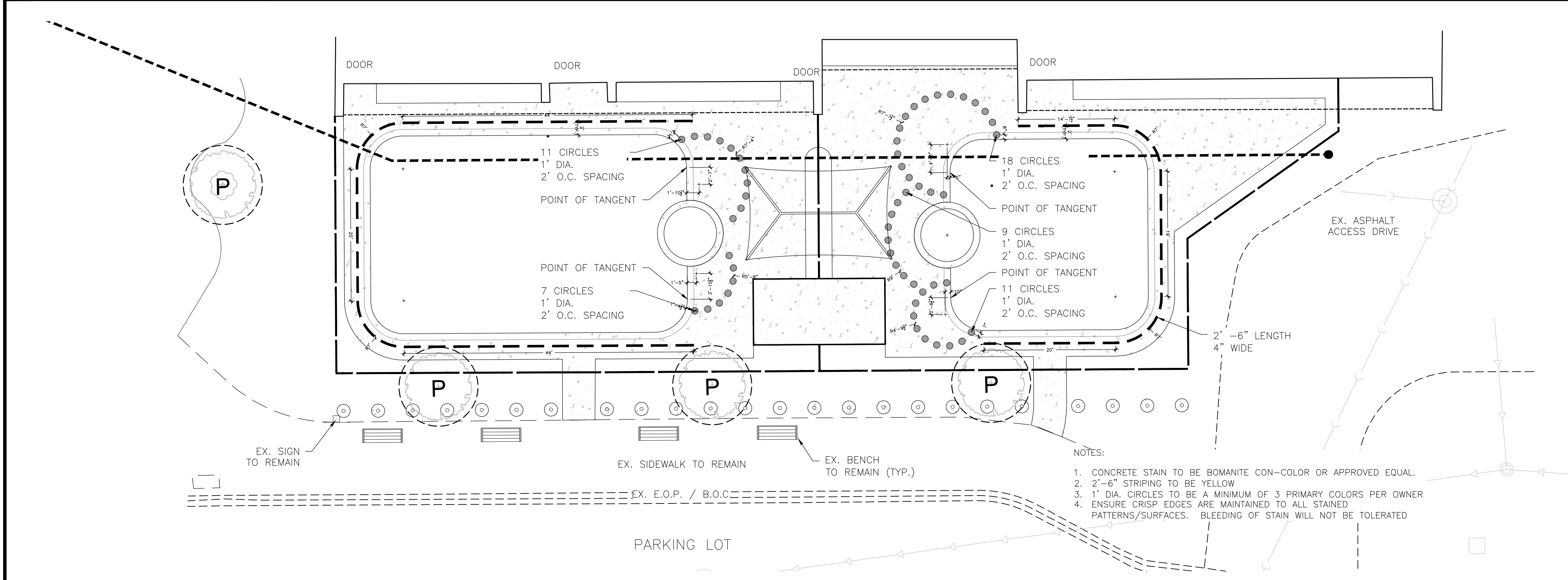
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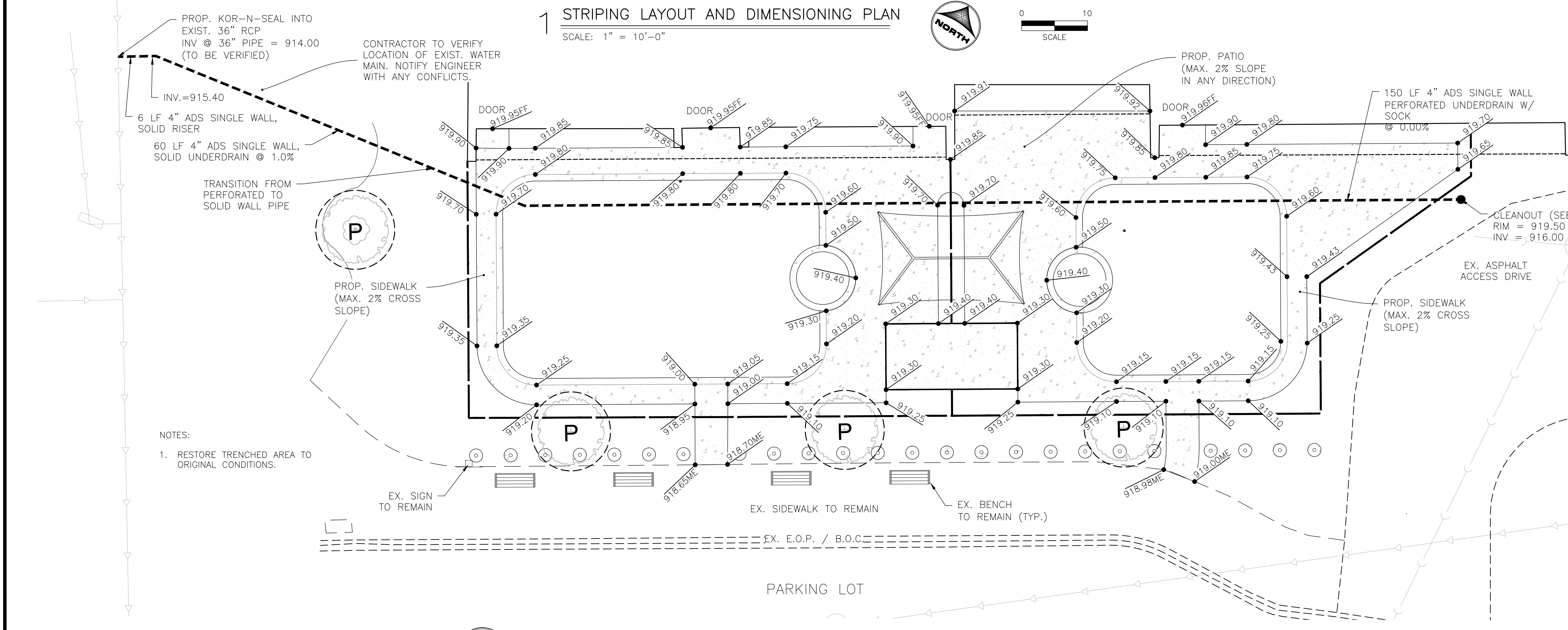
CIVIL - SITE WORK  
 LAYOUT & DIMENSIONING PLAN

SHEET NO.  
 C.02

Xref: xref=1-df01; 191714-xf-Survey; 191714-xl-dsgn; 86120279-XV-survey; xl-dsgn



- NOTES:
- SPOT ELEVATIONS, WHERE SHOWN ON THESE DRAWINGS, ARE TO THE TOP OF FINISHED SURFACES.
  - ALL SURFACE DRAINAGE SHALL BE DIVERTED AWAY FROM STRUCTURES IN ALL AREAS AT A MINIMUM OF 1-2% SLOPE. ALL AREAS SHALL POSITIVELY DRAIN.
  - ALL SIDEWALKS AND ACCESS WAYS SHALL BE ADA ACCESSIBLE WITH CROSS-SLOPES NOT TO EXCEED 2% AND LONGITUDINAL-SLOPES AT A MAXIMUM 5% GRADIENT. CONTRACTOR TO VERIFY ALL GRADES AND SUBMIT AS-BUILT DRAWINGS WHICH INDICATE FULL ADA COMPLIANCE.
  - SUBGRADE SHALL BE FREE OF UNSUITABLE MATERIAL.
  - TESTING FOR COMPACTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
  - ALL TOPSOIL AND ORGANIC MATERIAL MUST BE REMOVED AND STOCKPILED PRIOR TO EXCAVATION.
  - PAVEMENT SHALL BE SAW CUT IN STRAIGHT LINES TO THE FULL DEPTH OF THE EXISTING PAVEMENT. ALL DEBRIS FROM REMOVAL OPERATIONS SHALL BE REMOVED FROM THE SITE AT THE TIME OF EXCAVATION. STOCKPILING OF DEBRIS WILL NOT BE PERMITTED.
  - THE TOPS OF EXISTING MANHOLES, INLET STRUCTURES, AND SANITARY CLEANOUT TOPS SHALL BE ADJUSTED, IF REQUIRED, TO MATCH PROPOSED GRADES IN ACCORDANCE WITH ALL APPLICABLE STANDARDS.
  - THE CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF EXISTING TOPOGRAPHIC INFORMATION AND UTILITY INVERT ELEVATIONS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION. CONTRACTOR TO ENSURE 1.0% ON ALL CONCRETE SURFACES TO PREVENT PONDING. ANY DISCREPANCIES THAT MAY AFFECT THE PUBLIC SAFETY OR PROJECT COST MUST BE IDENTIFIED TO THE ENGINEER IN WRITING IMMEDIATELY. PROCEEDING WITH CONSTRUCTION WITHOUT NOTIFICATION IS DONE SO AT THE CONTRACTOR'S OWN RISK.
  - IN CASE OF DISCREPANCIES BETWEEN PLANS OR RELATIVE TO OTHER PLANS, THE SITE PLAN WILL TAKE PRECEDENCE. IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY CONFLICTS.
  - ALL EXISTING STRUCTURES, UNLESS OTHERWISE NOTED TO REMAIN, WITHIN CONSTRUCTION AREA SHALL BE REMOVED & DISPOSED OF OFF SITE.
  - MATCH EXISTING GRADES AT PROPERTY LINES AND/OR CONSTRUCTION LIMITS.
  - PLAYGROUND SUBGRADE SHALL BE GRADED TO PROVIDE POSITIVE DRAINAGE TO UNDERDRAIN.
  - THE CONTRACTOR SHALL CONFINE HIS GRADING OPERATIONS TO WITHIN CONSTRUCTION LIMITS AND EASEMENTS SHOWN ON THE PLANS. ANY DAMAGE TO PROPERTIES OUTSIDE THE SITE BOUNDARY SHALL BE AT THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
  - THE CONTRACTOR SHALL APPLY NECESSARY MOISTURE CONTROL TO THE CONSTRUCTION AREA AND HAUL ROADS TO PREVENT THE SPREAD OF DUST.
  - THE CONTRACTOR IS RESPONSIBLE FOR REPLACING ANY AREAS OF PAVEMENT OR SIDEWALK NOT TO BE REMOVED THAT IS DAMAGED DUE TO OPERATING EQUIPMENT ON THE PAVEMENT OR SIDEWALK.



FOR BID

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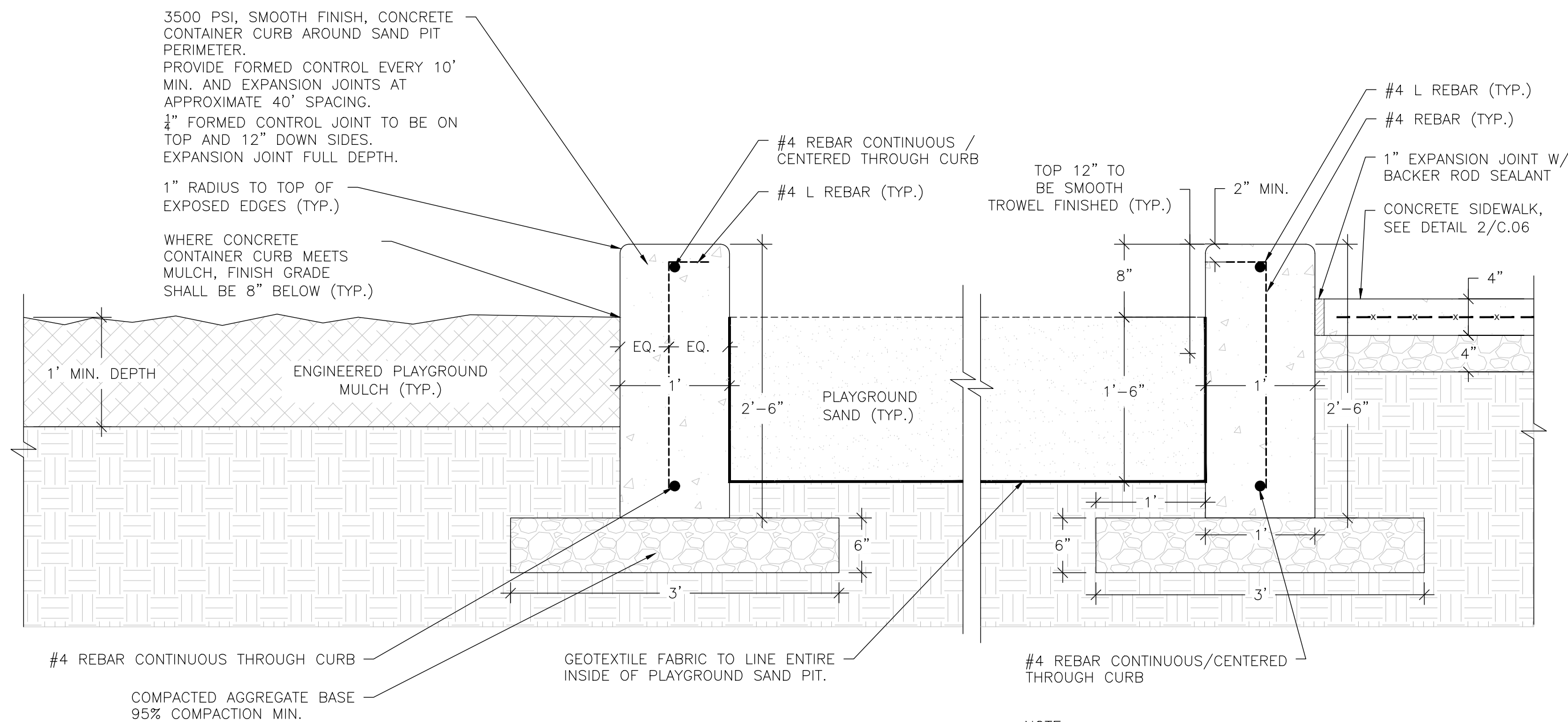
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PLAYGROUND RECONSTRUCTION DOCUMENTS  
 McHENRY COUNTY COLLEGE  
 CRYSTAL LAKE, ILLINOIS

CIVIL - SITE WORK  
 LAYOUT & GRADING PLAN

SHEET NO.  
 C.03

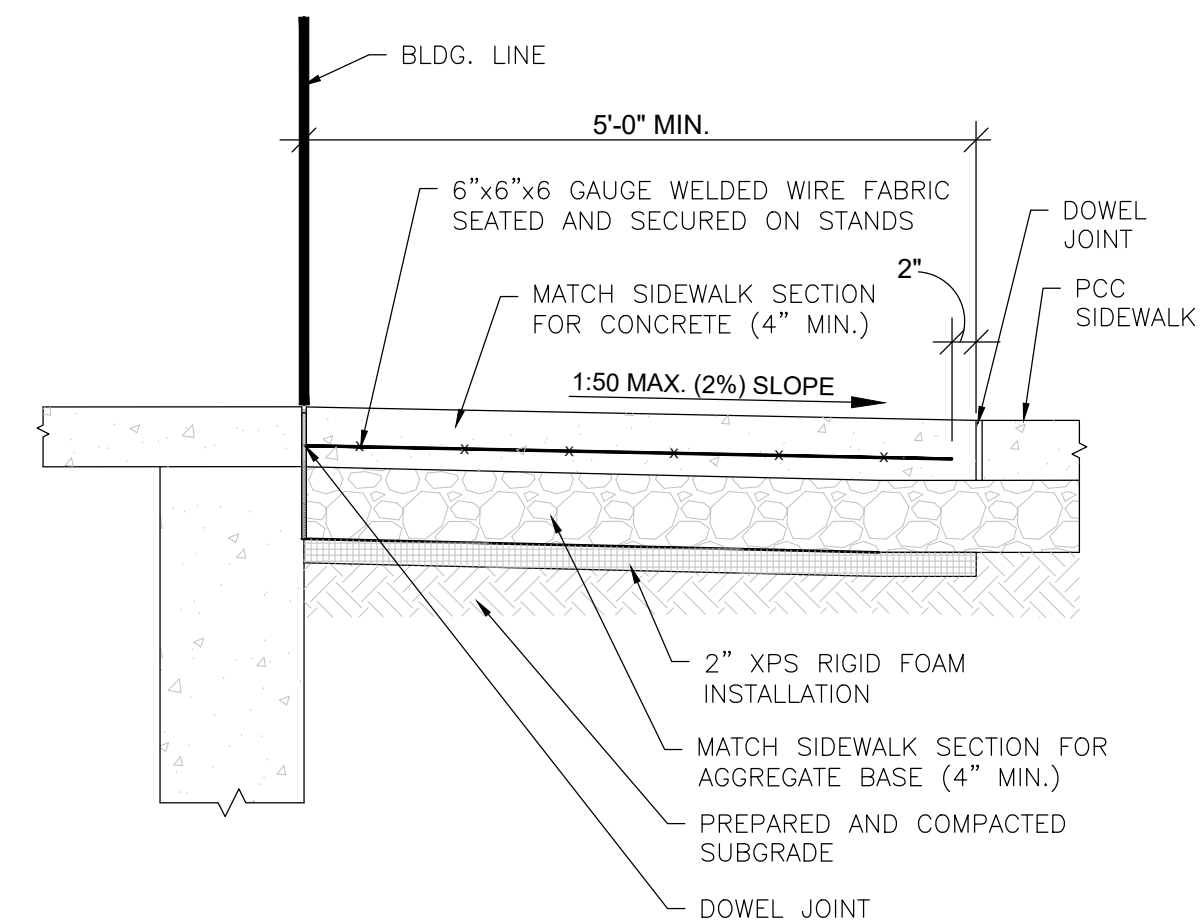
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1 SAND PIT CURBING DETAIL

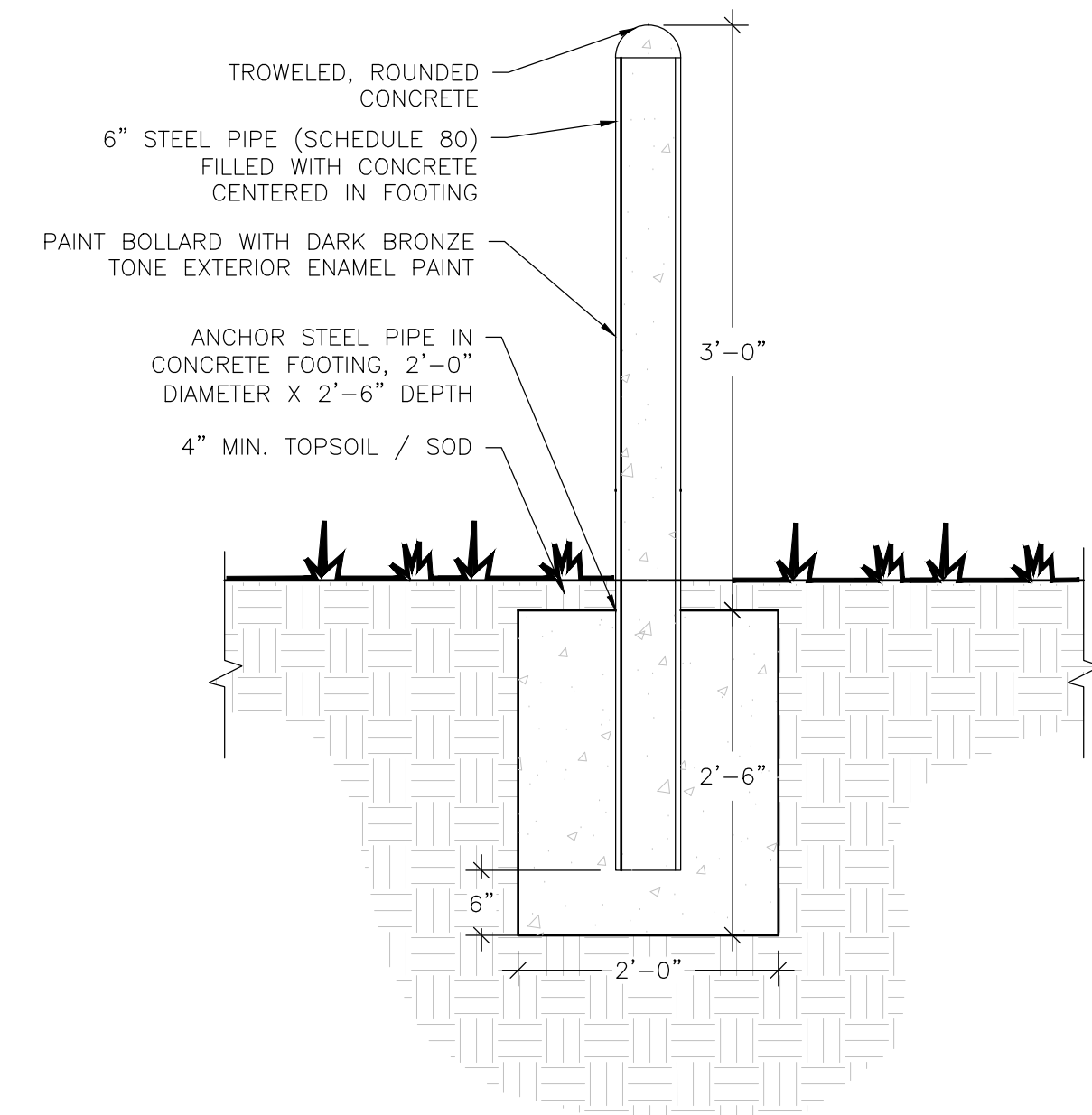
SCALE: NTS

NOTE:  
1. VERTICAL REBAR SHALL BE SPACED AT 15" O.C. THROUGHOUT THE CURB



2 ENTRY DOOR FROST SLAB DETAIL

SCALE: NTS

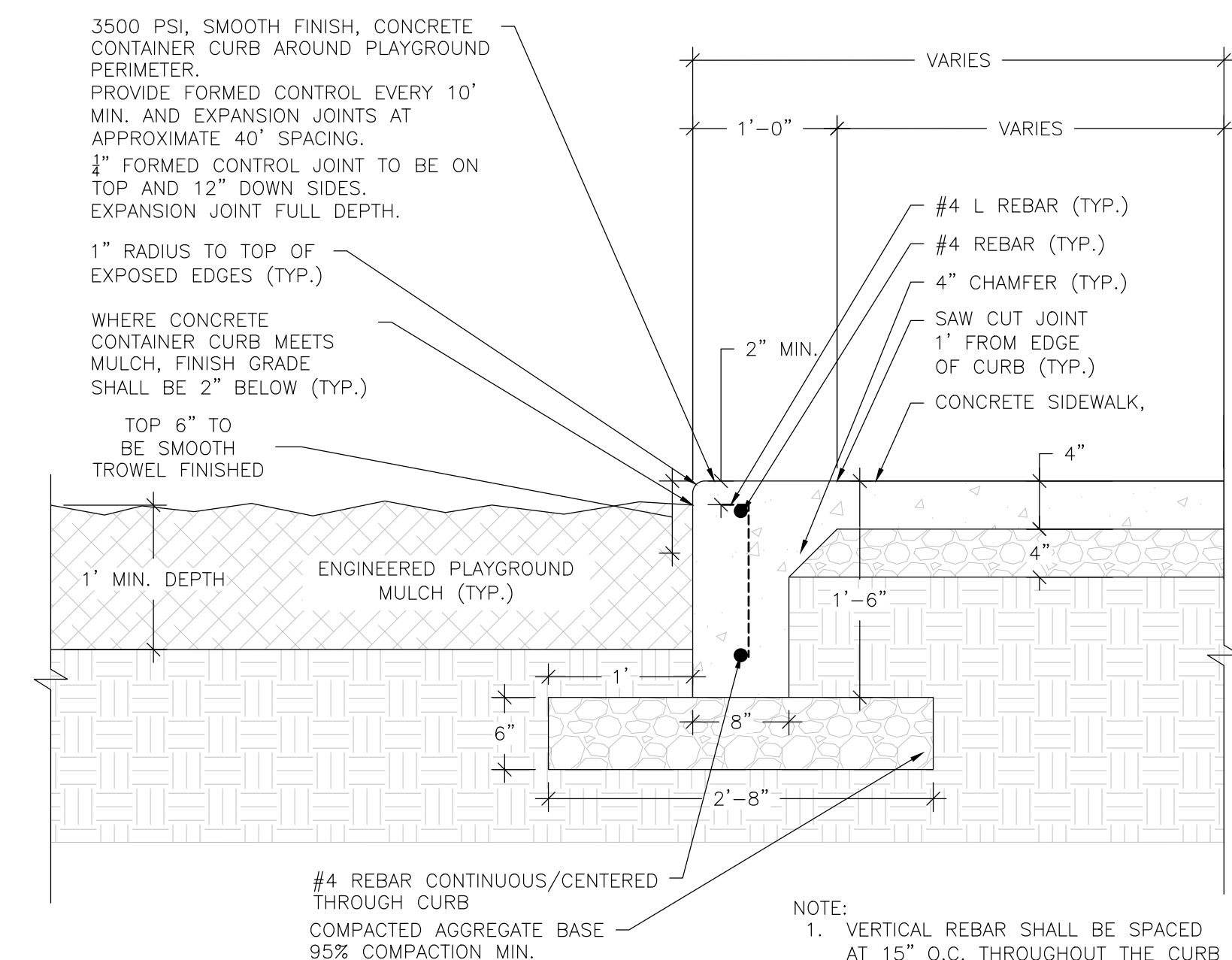


3 CONCRETE BOLLARD DETAIL

SCALE: NTS

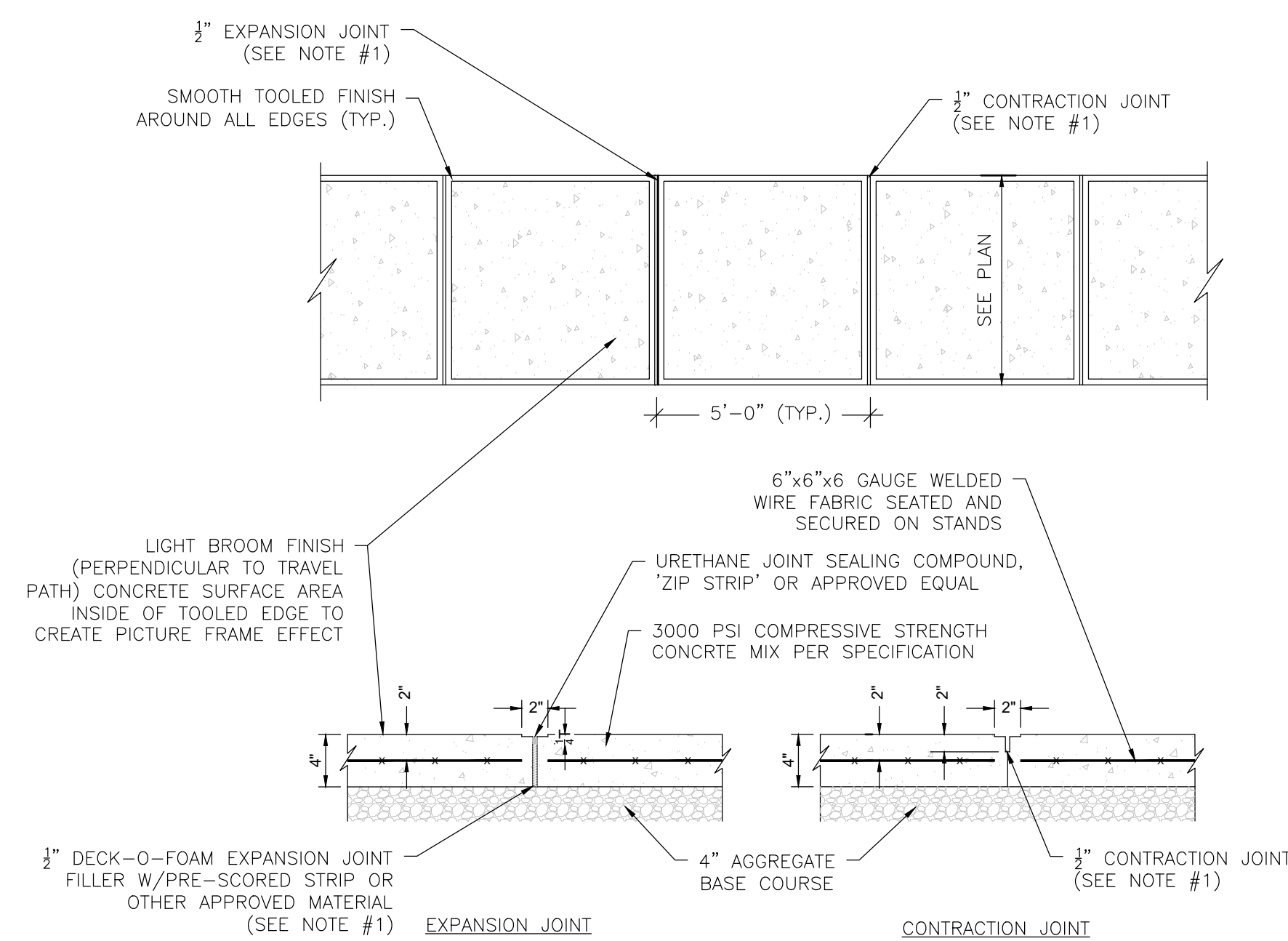
NOTE:

BOLLARDS SHALL BE CLEANED, SCOFFED AND PRIMED UTILIZING A SELF-ETCHING PRIMER PRIOR TO APPLYING PAINT. PAINT SHALL BE A RUST RESISTANT PROTECTIVE ENAMEL FOR METAL SUBSTRATES. PAINT TYPE SHALL BE IDENTIFIED AND SUBMITTED FOR APPROVAL TO THE ENGINEER.



4 MULCH/SIDEWALK CURBING DETAIL

SCALE: NTS

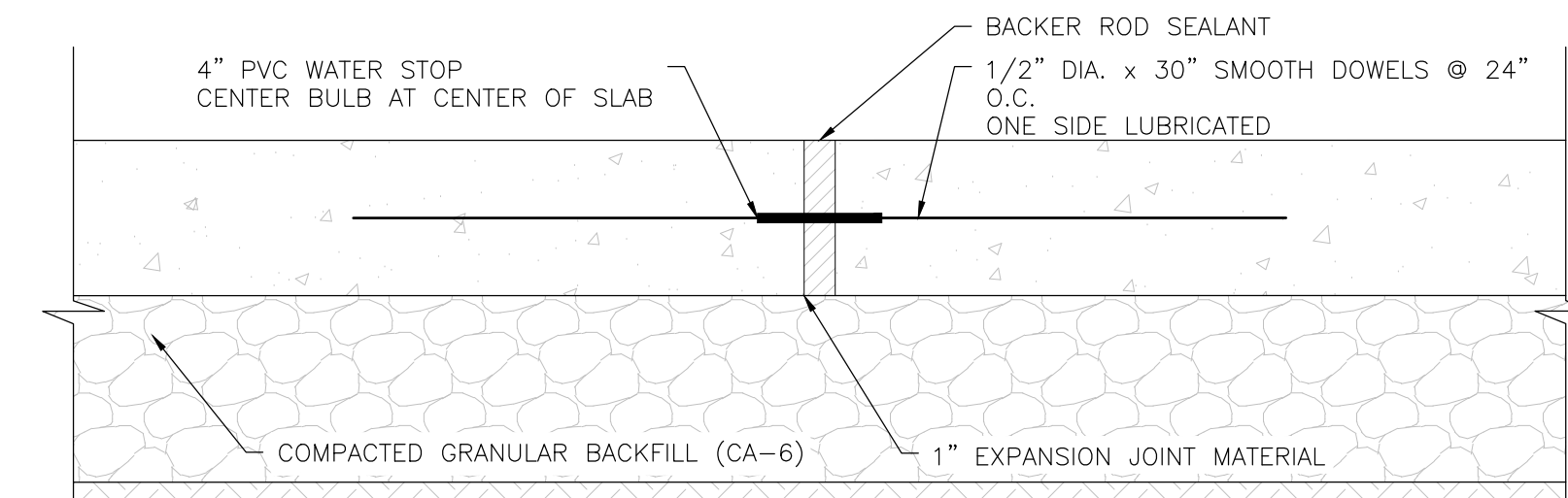


5 CONCRETE SIDEWALK DETAIL

SCALE: NTS

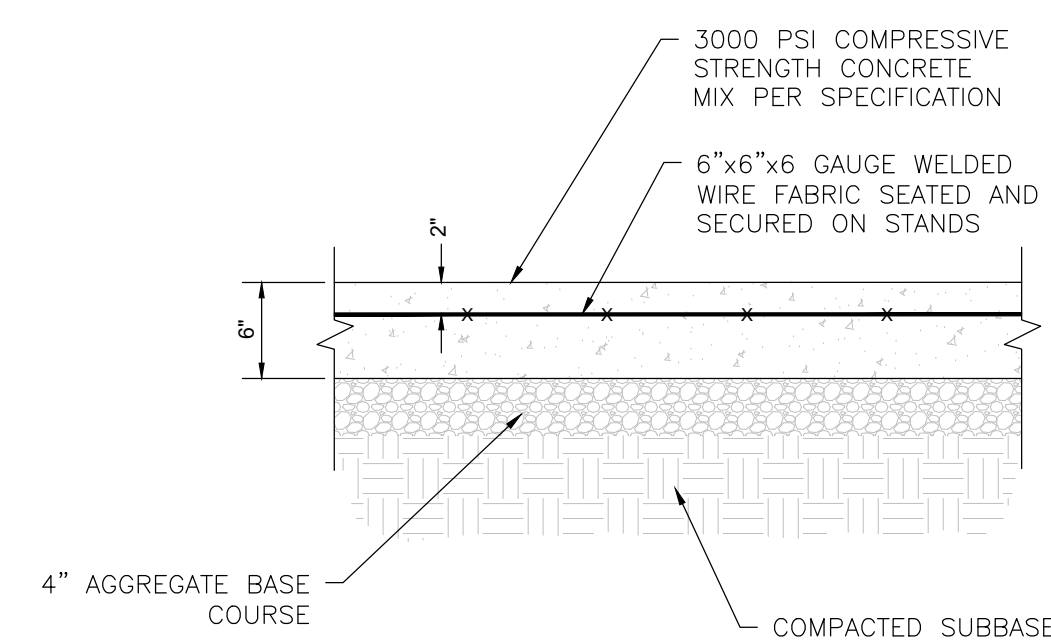
NOTES:

1. JOINTS AT 5'-0" O.C. TOOLED 1/2" WIDE, 1" DEEP OR MAX. 1/4" DEEP WHICHEVER IS GREATER. EXPANSION JOINTS AT 20' MAX. & ALL P.C.s. UNLESS APPROVED OR INDICATED OTHERWISE ON PLAN VIEW JOINT PATTERN TO BE PROVIDED BY CONTRACTOR.



6 TYP. SECTION: DOWEL JOINT DETAIL

SCALE: NTS



7 CONCRETE PAVEMENT 10' X 20' PAD DETAIL

SCALE: NTS



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PLAYGROUND RECONSTRUCTION DOCUMENTS  
McHENRY COUNTY COLLEGE  
CRYSTAL LAKE, ILLINOIS

CIVIL - SITE WORK  
DETAILS

SHEET NO.  
C.04





CONTACT INFORMATION:  
MICHELLE WALSH  
NUTOYS LEISURE PRODUCTS  
(708)579-9055 OFFICE  
MICHELLEW@NUTOYS4FUN.COM

McHenry County College  
Crystal Lake, IL

QTY.	NO.	DESCRIPTION
<b>Toddler Area</b>		
Structure:		
1	137966A	Critter Canyon Climber 30"Dk DB
2	179349A	Kick Plate 8"Rise
1	111239A	Square Deck Extension
1	111237A	Square Tenderdeck
4	117495A	Triangular Tenderdeck
2	179362A	Tri-Deck Kick Plate 8"Rise
1	111282A	Bubble Panel Above Deck
1	113211A	Chimes Panel Above Deck
1	124333A	Hourglass Panel Ground Level
2	173586A	Recycled Wood-Grain Lumber Panel Above Deck
1	188836A	Sign Language Panel Above Deck
2	119977A	Handbar
4	111396M	119"Post For Roof DB
1	111397H	69"Post DB
1	111397K	78"Post DB
1	111397L	84"Post DB
1	111397E	90"Post DB
2	111397M	96"Post DB
1	211191A	Tree House Roof w/Stack and w/Kids Only sign
1	166076A	Infant Single Slide DB
Site Furnishings:		
2	175949A	Toddler Picnic Table
<b>PreSchool Area</b>		
1	183195A	Log Stack Climber 48"Deck w/Wood-Grain Handholds DB
1	185861C	Log Stepper 32"Deck w/2 Recycled Wood-Grain Handholds 1 Handloop an
1	185862C	Wood Plank Wiggle Ladder 48"Deck 2" SM
2	179349A	Kick Plate 8"Rise
4	111237A	Square Tenderdeck
1	173585A	Tree Stump Transfer Module 32"Deck DB Only
1	177713A	Color Splash Panel Ground Level
3	173586A	Recycled Wood-Grain Lumber Panel Above Deck
1	164146A	Rock-N-Ring Panel Ground Level
2	111397B	114"Post DB

### 1 COMPLETE PLAY STRUCTURE FURNISHING LIST

SCALE:

NOTE:

CONTRACTOR TO ORDER AND INSTALL PLAY STRUCTURE EQUIPMENT PER MANUFACTURER SPECIFICATIONS AND POSITION WITHIN THE DESIGNATED PLAY AREA SO ALL MANUFACTURER SAFETY ZONE REQUIREMENTS ARE MET.



McHenry County College  
Crystal Lake, IL

QTY.	NO.	DESCRIPTION
2	111397A	128"Post DB
4	111396C	129"Post For Roof DB
4	111396B	137"Post For Roof DB
2	211191A	Tree House Roof w/Stack and w/Kids Only sign
1	178768A	Double Swirl Slide 48"Dk DB
1	137967A	Lava Run Slide 32"Dk DB
1	133668A	Single Slide 48"Dk DB
1	128953B	56" Crawl Tunnel 56" w/o View Above Deck
Shade:		
1	237676F	SkyWays Two-Post Hip 14'x22' Shade 10' Entry Height w/Rapid Release1
Site Furniture:		
2	175949A	Toddler Picnic Table
<b>Toddler Area</b>		
Panels:		
1	113211A	Chimes Panel Ground Level
1	173570A	Xylofun Panel Ground Level
3	111397H	69"Post DB
<b>PreSchool Area</b>		
1	233060B	DigiRider Horse DB

**Zeager Bros. Inc.**  
**Woodchips**

100 Cu.Yd. Woodchip. Includes freight.

- Notes:
- \* Please ensure there are ample clearances for tractor trailer deliveries (10'Wx14'H Minimum).
  - \* Installation and maintenance instructions and warranty info available at [www.zeager.com](http://www.zeager.com).

NOTE:

1. ALL PLAY STRUCTURE EQUIPMENT SHALL BE DIRECT BURIED. SEE MANUFACTURER DETAILS FOR INSTALLATION.

Color Sheet

Rep Organization: NuToys Leisure Products, Inc.

Quote No: CYL20MCC3-3-2

Project Title: McHenry County College

PlayShaper® (6-23 months)	AH: Brown/Limon/Leaf/Limon
Direct Bury Aluminum	
<b>STRUCTURE COLORS</b>	
Proshield® Finish	
Posts/Arches:	Brown
Clamps/Ball Connectors:	Limon
<b>Polyethylene</b>	
Slides/Tunnels/Gliders/E-Pods®:	Leaf
<b>Permalene®</b>	
Primary Permalene:	Recycled Limon w/Black
Secondary Permalene:	Recycled Leaf w/Black
<b>Tendertuff</b>	
Barriers/Ladders/Benches:	Brown
Decks/Step Ladders:	Brown

PlayShaper® (2-5 years)	* Palette Overridden * AH: Brown/Limon/Leaf/Limon
Mixed Bury Aluminum	
<b>STRUCTURE COLORS</b>	
Proshield® Finish	
Posts/Arches:	Brown
Clamps/Ball Connectors:	Limon
Play Components:	Limon
<b>Polyethylene</b>	
Slide Hoods/O-Zone®:	Leaf
Slides/Tunnels/Gliders/E-Pods®:	Leaf
<b>Permalene®</b>	
Primary Permalene:	Recycled Limon w/Black
Secondary Permalene:	Recycled Leaf w/Black
<b>Tendertuff</b>	
Barriers/Ladders/Benches:	Brown
Decks/Step Ladders:	Brown
<b>Shade</b>	
Shade Posts:	Tan
Upper Sails:	Beige FR*

### 2 COMPLETE PLAY STRUCTURE COLOR LIST

SCALE:

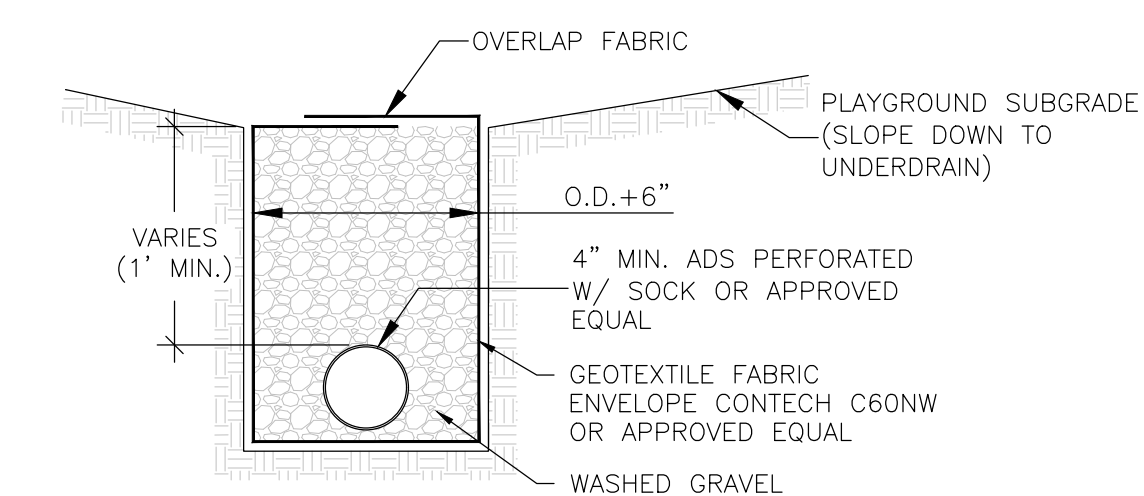
Page 1 of 1

PLAYGROUND CONSTRUCTION DOCUMENTS - McHENRY COUNTY COLLEGE					
February 20, 2020					
FURNISHINGS SCHEDULE					
QTY	ITEM	MANUFACTURER & MODEL	MATERIAL & FINISH	CONTACT INFORMATION	REMARKS
2 EA	SANDBOX COVER	SANDBOX COVERS USA WEIGHTED EDGE SANDBOX COVER SIZE: 10' DIAMETER	MATERIAL: FULL VINYL COLOR: GREEN TOP W/ YELLOW SAFETY STRIPS	MANUFACTURER: SANDBOX COVERS USA PHONE: (877) 840-0707	CONTRACTOR TO CONFIRM SANBOX DIMENSIONS PRIOR TO ORDERING SUBSTITUTIONS TO BE APPROVED BY OWNER PRIOR TO PURCHASE
244 L.F.	FENCE & GATES	SUPERIOR ALUMINUM PRODUCTS, INC. SERIES 7000 ALUMINUM PICKET FENCE - STYLE K, 3" HEIGHT: 4' STYLE C - SINGLE GATE W/ LOKKLATCH SYSTEM	ALUMINUM COLOR: DARK BRONZE	MANUFACTURER: SUPERIOR ALUMINUM PRODUCTS, INC PHONE: (937) 526-4065	SEE MANUFACTURER'S SPECIFICATIONS AND DETAILS FOR INSTALLATION SUBSTITUTIONS TO BE APPROVED BY OWNER PRIOR TO PURCHASE

\*PROVIDE LISTED MODELS OR APPROVED EQUALS

### 3 SITE FURNISHING LIST

SCALE: NTS

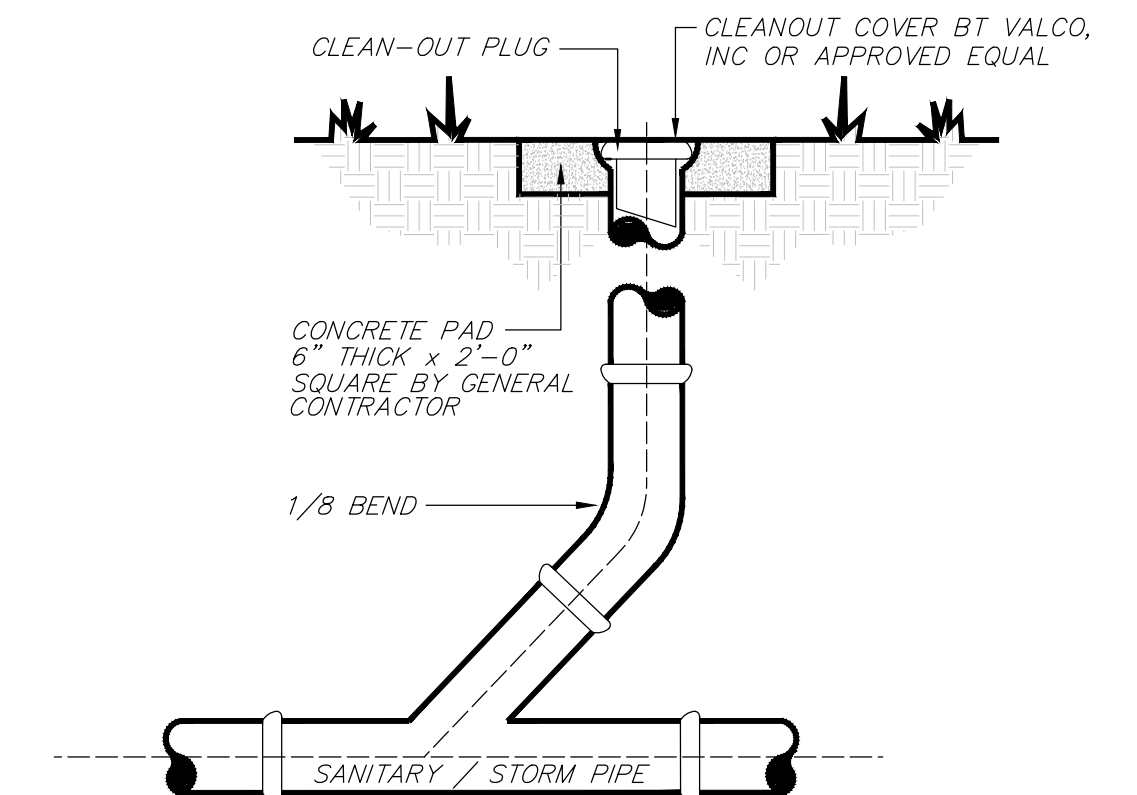


NOTES:

- UNDERDRAIN CONNECTIONS TO STORM SEWER STRUCTURES AND PIPES ARE TO BE MACHINE CORED AND BOOTED.

### 4 UNDERDRAIN DETAIL

SCALE: NTS



### 5 CLEANOUT DETAIL

SCALE: NTS

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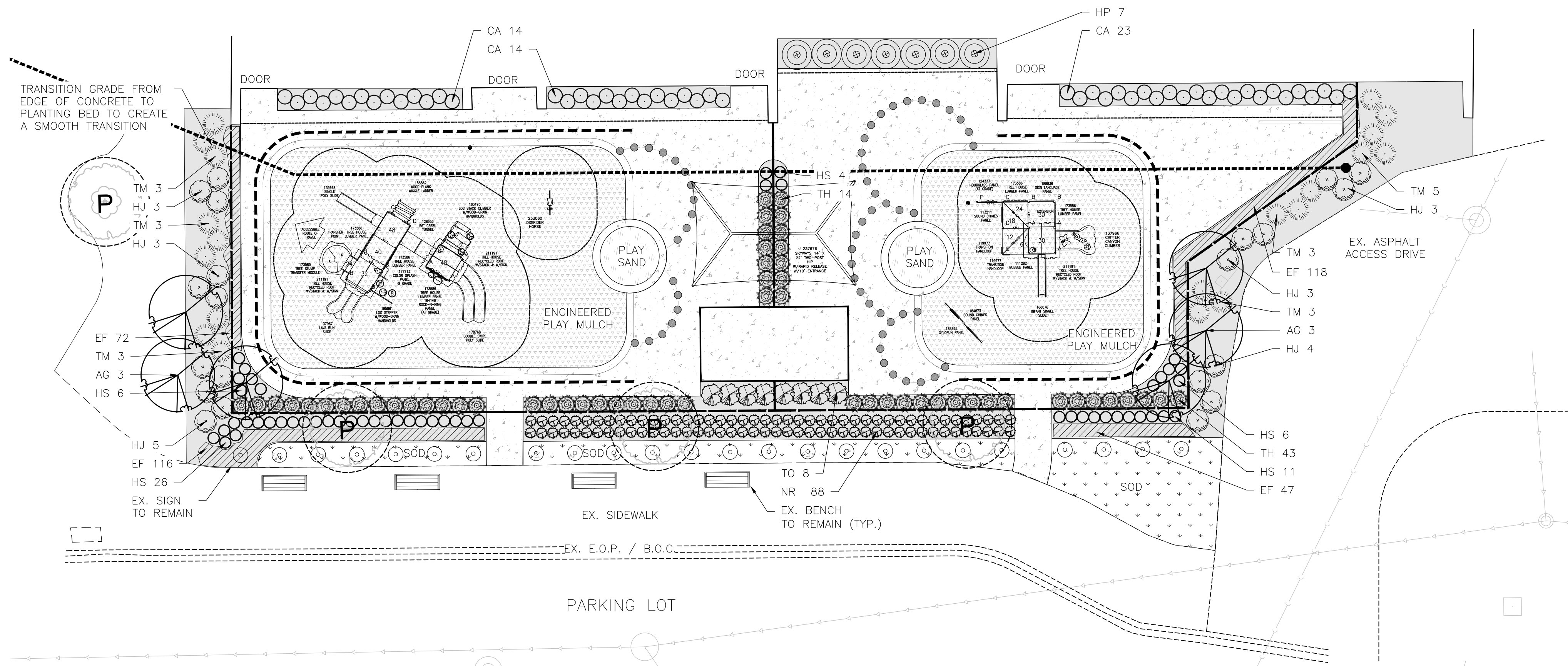
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PLAYGROUND RECONSTRUCTION DOCUMENTS  
McHENRY COUNTY COLLEGE  
CRYSTAL LAKE, ILLINOIS

CIVIL - SITE WORK  
DETAILS

SHEET NO.  
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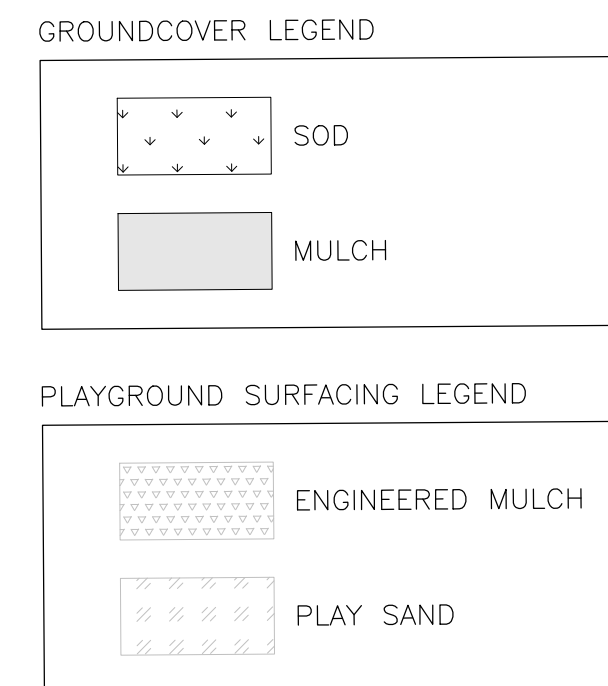


PLAYGROUND CONSTRUCTION DOCUMENTS - McHENRY COUNTY COLLEGE  
February 20, 2020

MATERIALS SCHEDULE						
QTY	KEY	BOTANICAL NAME/ITEM	COMMON NAME	SIZE	COND	REMARKS
<b>DECIDUOUS TREES</b>						
6	AG	AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE'	AUTUMN BRILLIANCE SERVICEBERRY	8' HT.	B&B	MULTI-STEMMED; MATCHED
<b>EVERGREEN TREES</b>						
8	TO	THUJA OCCIDENTALIS 'SMARAGD'	EMERALD GREEN ARBORVITAE	#5	CONT.	3' O.C.; MATCHED
<b>DECIDUOUS SHRUBS</b>						
21	HJ	HYDRANGEA PANICULATA 'JANE'	LITTLE LIME HYDRANGEA	#3	CONT.	3' O.C.; MATCHED
7	HP	HYDRANGEA PANICULATA 'ILVOBO'	BOBO HYDRANGEA	#3	CONT.	4' O.C.; MATCHED
<b>EVERGREEN SHRUBS</b>						
57	TH	TAXUS X MEDIA 'HICKSII'	HICKS YEW	#5	CONT.	2.5' O.C.; MATCHED
20	TM	TAXUS X MEDIA 'DENSIFORMIS'	DENSIFORMIS YEW	#5	CONT.	3' O.C.; MATCHED
<b>PERENNIALS, GRASSES &amp; GROUNDCOVER</b>						
51	CA	CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER'	FEATHER REED GRASS	#1	CONT.	24" O.C.; MATCHED
353	EF	EUONYMUS FORTUNEI VAR. 'COLORATUS'	PURPLE WINTERCREEPER	1 CELL OF 24 FLAT	CONT.	10" O.C.; MATCHED
53	HS	HEMEROCALLIS 'STELLA DE ORO'	DAYLILY	#1	CONT.	18" O.C.; MATCHED
88	NR	NEPETA RACEMOSA 'WALKER'S LOW'	WALKER'S LOW CATMINT	#1	CONT.	18" O.C.; MATCHED
<b>MISCELLANEOUS</b>						
65	SOD	SEE NOTE BELOW		SY		
21	MULCH	3" DEEP SHREDDED HARDWOOD MULCH		CY		

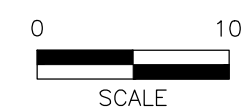
**GENERAL NOTES:**

- PROVIDE STRONGLY ROOTED SOD, NOT LESS THAN 2 YEARS OLD AND FREE OF WEEDS AND UNDESIRABLE NATIVE GRASSES. PROVIDE ONLY SOD CAPABLE OF GROWTH AND DEVELOPMENT WHEN PLANTED (VIBLAE, NOT DORMANT). PROVIDE SOD COMPOSED PRINCIPALLY OF AN APPROVED KENTUCKY BLUE GRASS BLEND CONTAINING A MINIMUM OF FOUR IMPROVED VARIETIES.



1 LANDSCAPE PLAN

SCALE: 1" = 10'-0"



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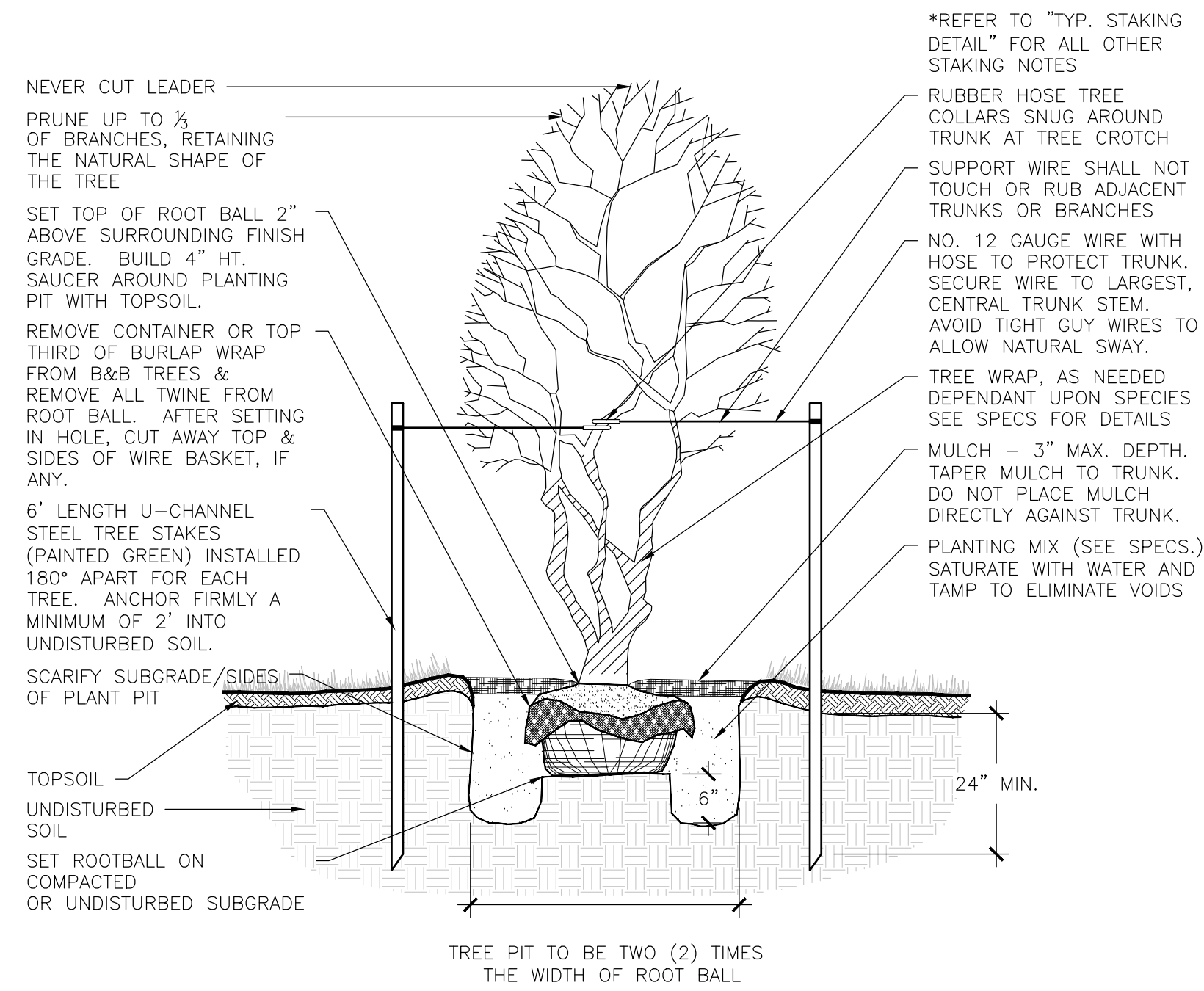
PLAYGROUND RECONSTRUCTION DOCUMENTS  
 McHENRY COUNTY COLLEGE  
 CRYSTAL LAKE, ILLINOIS

LANDSCAPE  
 LANDSCAPE PLAN

SHEET NO.  
 L.01

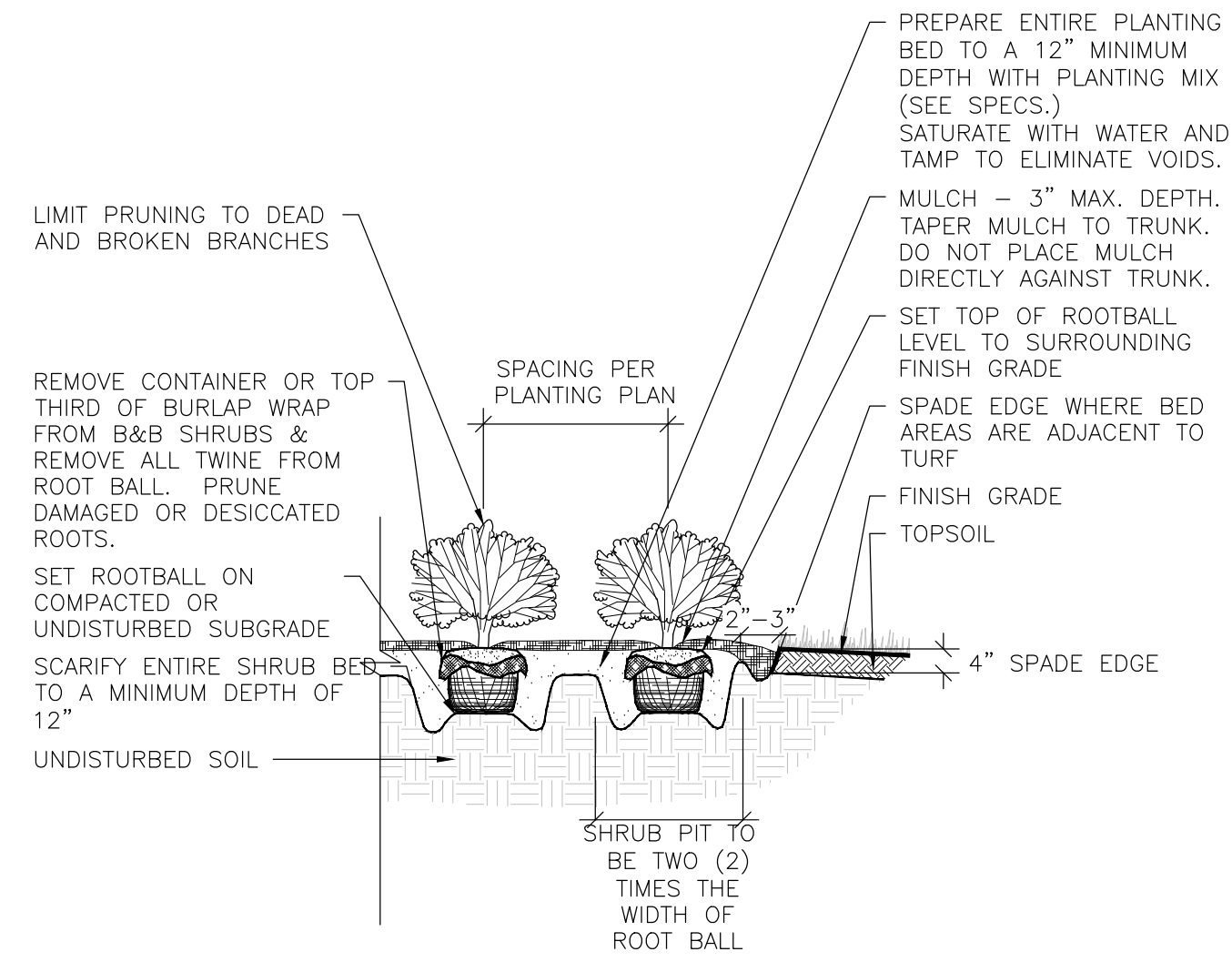
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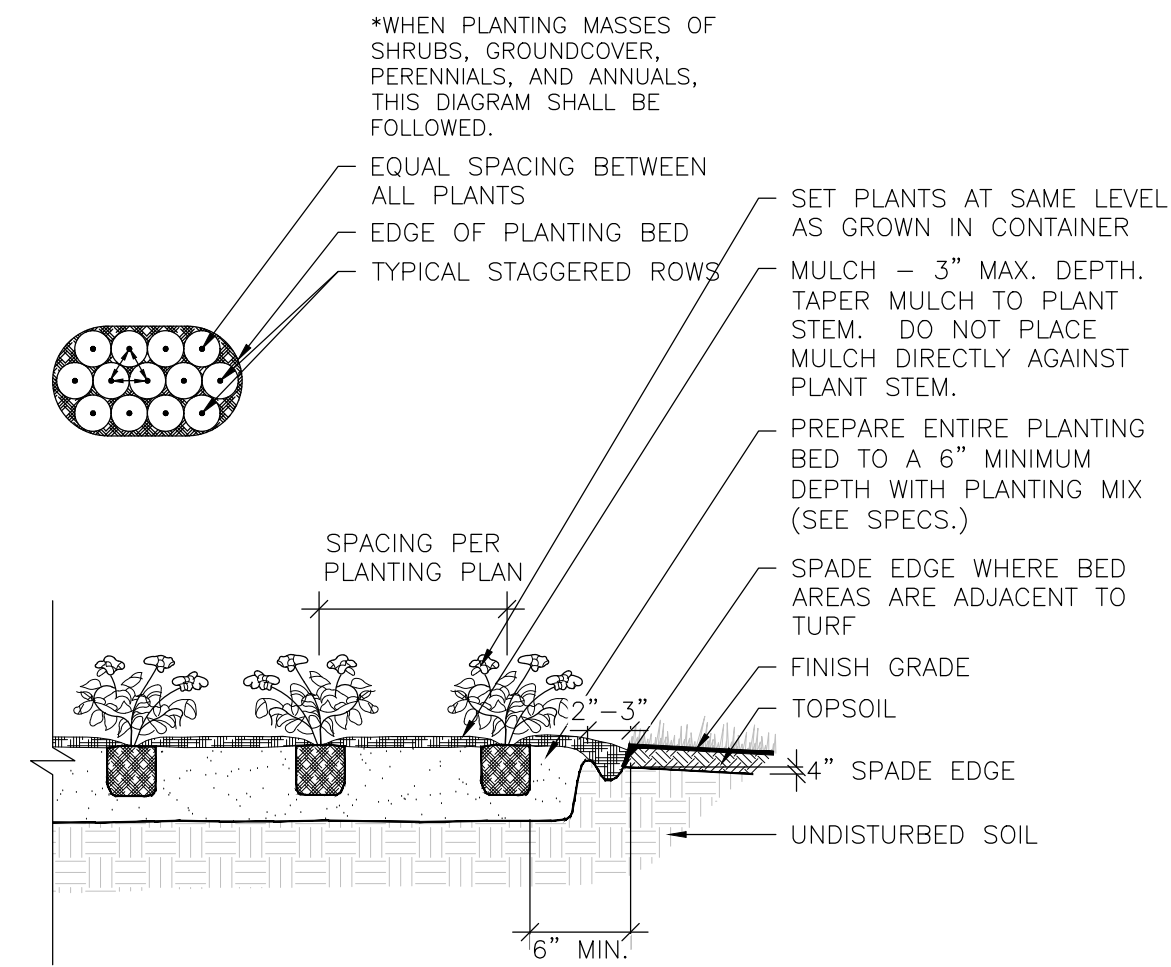
1 TYP. ORNAMENTAL TREE PLANTING DETAIL

SCALE: NTS



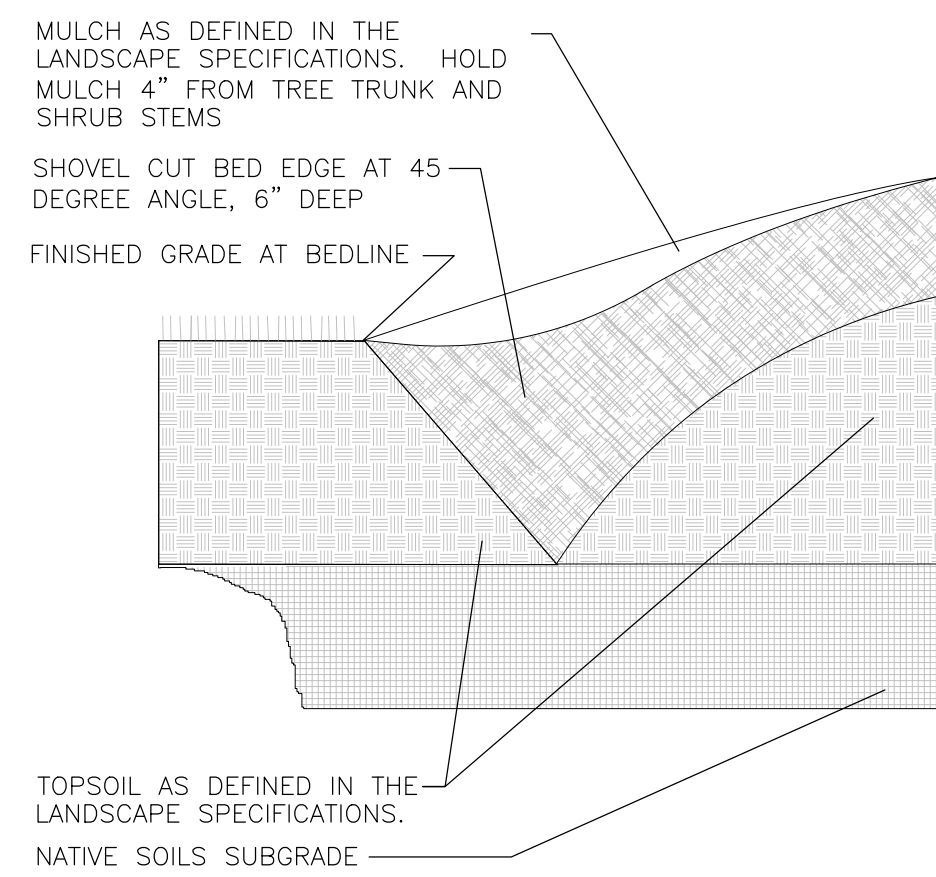
2 TYP. SHRUB PLANTING DETAIL

SCALE: NTS



3 TYP. PERENNIAL PLANTING DETAIL

SCALE: NTS



4 "V" TRENCH BED EDGING

SCALE: NTS

Xref: xgl-1-df01; 191714-xf-Survey; 191714-xf-Survey; 86120279-XV-Survey; xl-dsgn; 191714-xl-details



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PLAYGROUND RECONSTRUCTION DOCUMENTS  
McHENRY COUNTY COLLEGE  
CRYSTAL LAKE, ILLINOIS

LANDSCAPE  
LANDSCAPE DETAILS

SHEET NO.  
L.02