

SITE IMPROVEMENT PLAN
FOR
THREE CREEKS WETLAND RESTORATION PROJECT

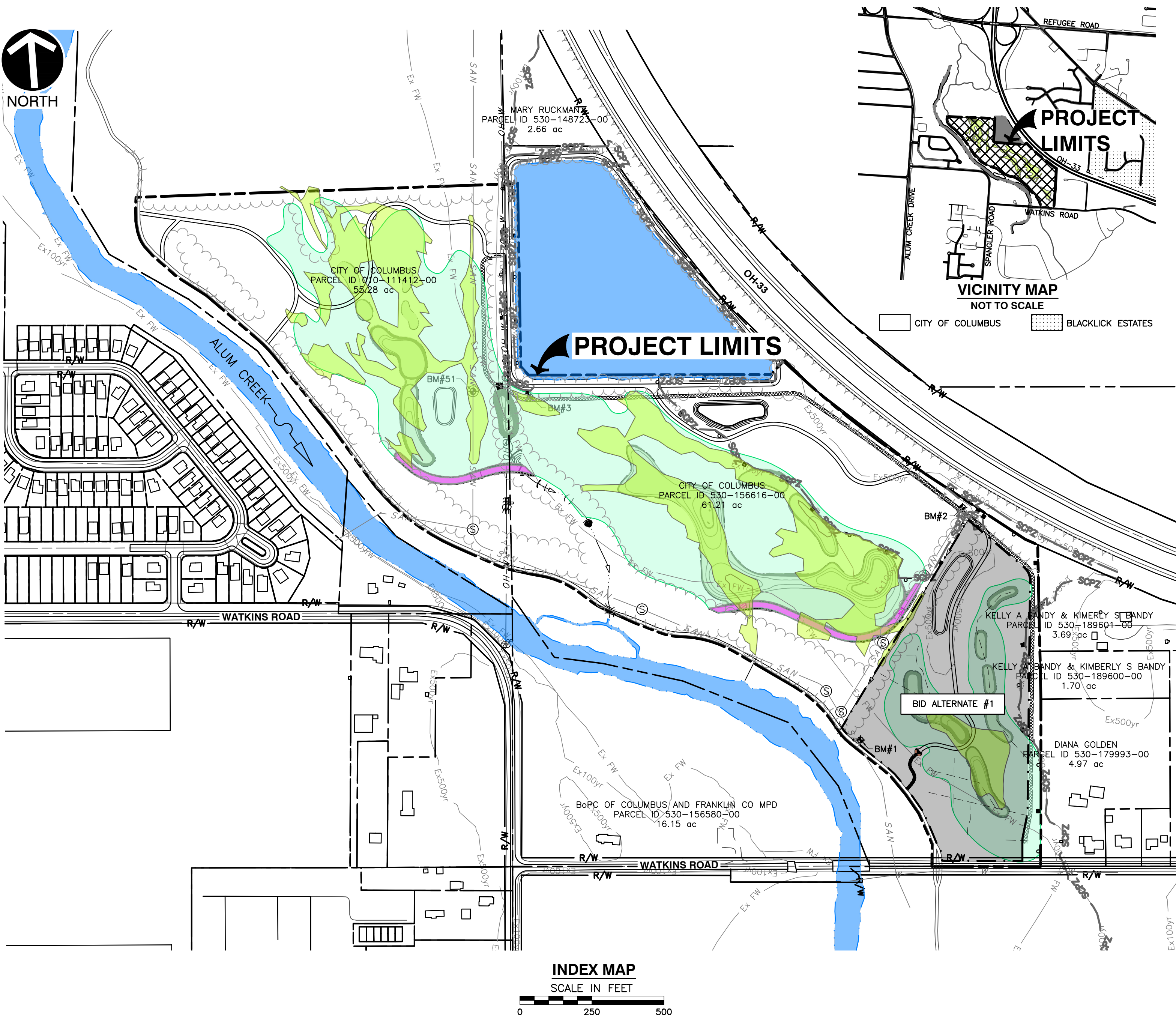
CITY OF COLUMBUS, FRANKLIN COUNTY, OHIO
2025

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BENCHMARKS (NAVD88)

THE NORTHING AND EASTING SHOWN ARE APPROXIMATE AND ONLY INTENDED TO PROVIDE RECOVERY OF THE BENCHMARK. THESE COORDINATES ARE NOT INTENDED TO BE USED FOR THE HORIZONTAL CONTROL OF THE PROJECT. THE HORIZONTAL CONTROL FOR THE PROJECT SHALL BE CONTROLLED BY THE MONUMENTS FOUND OR SET BY A PROFESSIONAL SURVEYOR.

EXISTING TOPOGRAPHIC SURVEY COLLECTED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. IN JUNE 2024 AND SUPPLEMENTED WITH OCIP LIDAR DATA COLLECTED IN MAY 2024. ELEVATIONS WERE DETERMINED USING STATIC GPS OBSERVATIONS PERFORMED ON JUNE 24 OF THE YEAR 2024 AS BASED ON A NGS OPUS-S SOLUTION USING O.D.O.T. CORRS NETWORK, OHIO SOUTH ZONE 83 (GEOID 18) DATUM.

BENCHMARK 1:
TOP OF A 5/8" SOLID REBAR THIRTY INCHES IN LENGTH WITH A YELLOW PLASTIC CAP BEARING THE INITIALS "CEC INC.". BASED ON AN NGS OPUS-S SOLUTION USING O.D.O.T. CORRS NETWORK, OHIO SOUTH ZONE NAD 83 (2011 ADJUSTMENT) NAVD 88 (GEOID 18) DATUM.
ELEVATION: 730.35

BENCHMARK 2:
TOP OF A 5/8" SOLID REBAR THIRTY INCHES IN LENGTH WITH A YELLOW PLASTIC CAP BEARING THE INITIALS "CEC INC.". BASED ON AN NGS OPUS-S SOLUTION USING O.D.O.T. CORRS NETWORK, OHIO SOUTH ZONE NAD 83 (2011 ADJUSTMENT) NAVD 88 (GEOID 18) DATUM.
ELEVATION: 731.30

BENCHMARK 3:
TOP OF A 5/8" SOLID REBAR THIRTY INCHES IN LENGTH WITH A YELLOW PLASTIC CAP BEARING THE INITIALS "CEC INC.". BASED ON AN NGS OPUS-S SOLUTION USING O.D.O.T. CORRS NETWORK, OHIO SOUTH ZONE NAD 83 (2011 ADJUSTMENT) NAVD 88 (GEOID 18) DATUM.
ELEVATION: 728.73

BENCHMARK 51:
CHISELED "X" ON THE WESTERN EDGE OF THE RIM OF MANHOLE ID 0100S0010 LOCATED SOUTHWEST OF THE EXISTING STORMWATER POND..
ELEVATION: 733.59

STATE PLANE COORDINATES - OHIO SOUTH ZONE*			
HORIZONTAL REFERENCE POINT COORDINATE LOCATIONS			
REF. PT.	DESCRIPTION	NORTHING	EASTING
1	TRV 5/8 REBAR CEC INC.	694102.57	1851646.99
2	TRV 5/8 REBAR CEC INC.	694880.22	1852061.09
3	TRV 5/8 REBAR CEC INC.	695374.93	1850593.46
51	BM 1 "X" IN WEST EDGE OF MH RIM	695410.53	1850395.77

HORIZONTAL REF DATUM= NAD 83 (NSRS 2011)

UTILITY CONTACTS

AEP COLUMBUS SOUTHERN POWER
850 TECH CENTER DR.
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PHONE: 614-883-6803

FRANKLIN COUNTY ENGINEER
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CITY OF COLUMBUS DEPARTMENT OF PUBLIC SERVICE
TRAFFIC MANAGEMENT
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COLUMBUS, OHIO 43219
PHONE: 614-645-7393

CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES
WATER AND SEWER SERVICES
910 DUBLIN ROAD
COLUMBUS, OHIO 43215
PHONE: 614-645-8276

ENGINEER/SURVEYOR
CIVIL & ENVIRONMENTAL CONSULTANTS, INC.
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APPLICANT
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RECREATION AND PARKS DEPARTMENT
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COLUMBUS, OH 43205
CONTACT: KELLY MESSER, PE
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PHONE: (614) 816-1875
EMAIL: KMESSER@COLUMBUS.GOV

SITE ADDRESS
3086 WATKINS ROAD
COLUMBUS, OHIO 43207



84224 2025-08-04
REGISTERED ENGINEER NUMBER DATE

THIS IS TO CERTIFY THAT GOOD ENGINEERING PRACTICES HAVE BEEN UTILIZED IN THE DESIGN OF THIS PROJECT AND THAT ALL MINIMUM STANDARDS AS DELINEATED BY THE CITY OF COLUMBUS STANDARDS HAVE BEEN MET, INCLUDING THOSE STANDARDS GREATER THAN MINIMUM WHERE, IN MY OPINION, THEY ARE NEEDED TO PROTECT THE SAFETY OF THE PUBLIC. THE SITE PLAN IS VALID FOR ONE (1) YEAR PERIOD FROM DATE OF APPROVAL, UNLESS A BUILDING PERMIT HAS BEEN OBTAINED.

ENGINEERING, SURVEYING AND LANDSCAPE ARCHITECTURE IN THE STATE OF NORTH CAROLINA WILL BE PROVIDED BY CEC SURVEYING AND LANDSCAPE ARCHITECTS OF NC, PLLC. SERVICES IN PUERTO RICO WILL BE PROVIDED BY CEC ENGINEERS & CONSULTANTS, LLC. LANDSCAPE ARCHITECTURE SERVICES IN THE STATE OF OHIO WILL BE PROVIDED BY CEC LANDSCAPE ARCHITECTS, LLC.

P:\140-200\140-0791-CADD\DWG\LOCAL\BIBER\140879-CD05-COVERSHEET.DWG2 GENERAL NOTES] [S:\BIBER\ENGINEER - 8/4/2025 5:38:21 PM] - LP: 8/4/2025 5:42:31 PM

GENERAL NOTES

CONTRACTOR SHALL REVIEW ALL APPLICABLE PERMITS FOR THIS PROJECT AND ALL WORK SHALL BE IN STRICT CONFORMANCE WITH THE CONDITIONS OF EACH PERMIT.

A. GOVERNING SPECIFICATIONS

1. THE CONSTRUCTION OF THE WETLANDS SHALL FOLLOW ALL GOVERNING AUTHORITIES' REGULATIONS.
2. CONTRACTOR SHALL REFER TO THE CITY OF COLUMBUS CONSTRUCTION MATERIALS AND SPECIFICATIONS (CMS). LATEST ADDITION, TO BE SUPPLEMENTED WITH OHIO DEPARTMENT OF TRANSPORTATION (ODOT) CMS AS NOTES AND THE SPECIFICATIONS MADE PART OF THE CONTRACT DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT.

B. SURVEY

1. EXISTING TOPOGRAPHIC SURVEY COLLECTED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. IN JUNE 2024 AND SUPPLEMENTED WITH OHIO GEOGRAPHICALLY REFERENCED INFORMATION PROGRAM (OGrip) STATE LIDAR. ELEVATIONS WERE DETERMINED USING STATIC GPS OBSERVATIONS AS BASED ON A NGS OPUS-S SOLUTION USING O.D.O.T. CORS NETWORK, OHIO SOUTH ZONE NAD 83 (2011 ADJUSTMENT), NAVD 88 (GEOID 18) DATUM.

C. BENCHMARKS

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HOLDING, SETTING, AND MAINTAINING BENCHMARKS LOCATIONS THROUGHOUT THE LIFE OF THE PROJECT. IN THE EVENT THAT A BENCHMARK IS DISTURBED, THE CONTRACTOR AS DIRECTED BY THE ENGINEER, WILL RELOCATE OR REESTABLISH THE BENCHMARK. NO ADDITIONAL PAYMENT OR COMPENSATION WILL BE MADE FOR THIS WORK.

C. ELEVATIONS

1. ALL ELEVATIONS SHOWN REFER TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

D. COORDINATES

1. THE PROJECT DATUM ON THESE PLANS ARE BASED UPON THE SOUTH ZONE OF THE OHIO STATE PLANE SYSTEM. THE HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1983 (2011) (NAD 83). GRID FACTORS ARE NOT REQUIRED WHEN MAKING FIELD MEASUREMENTS.

E. VERIFICATIONS OF DIMENSIONS

1. THE CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL PLAN ELEVATION DIMENSIONS PRIOR TO ORDERING MATERIALS FOR THE CONSTRUCTION OF THE VARIOUS BID ITEMS IN THE CONTRACT.

F. TREE CLEARING

1. TREE CLEARING SHALL ONLY OCCUR FROM OCTOBER 1ST THROUGH MARCH 31ST PER UNITED STATES FISH AND WILDLIFE SERVICE (USFWS) RANGE-WIDE INDIANA BAT PROTECTION ENHANCEMENT PLAN GUIDELINES, (JULY 2009) UNLESS SPECIAL PERMISSION IS GRANTED BY USFWS.

G. WASTE MATERIAL

1. ALL MATERIAL EXCAVATED AND NOT REUSED IN THE CONSTRUCTION OF THIS PROJECT SHALL BE REMOVED FROM THE PROJECT AND UNUSED DISPOSED OF BY THE CONTRACTOR.

H. FILTER FABRIC

1. FILTER FABRIC SHALL BE PLACED BELOW ALL STRUCTURES SHOWN IN THE DETAILS.

I. UTILITIES

1. THE CONTRACTOR IS RESPONSIBLE FOR THE INVESTIGATION, LOCATION, SUPPORT, PROTECTION, AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES WHETHER SHOWN ON THESE PLANS OR NOT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THE STATUS AND LOCATION OF EACH UTILITY WHEN PERFORMING WORK WHICH MAY AFFECT THESE FACILITIES, INCLUDING PROBING, EXCAVATION, OR ANY OTHER PRECAUTION REQUIRED TO CONFIRM LOCATION. THE CONTRACTOR SHALL EXPOSE ALL UTILITIES OR STRUCTURES PRIOR TO CONSTRUCTION TO VERIFY THE VERTICAL AND HORIZONTAL EFFECT ON PROPOSED CONSTRUCTION. THE CONTRACTOR SHALL CALL, TOLL FREE, OHIO 811 CENTER (1-800-362-2764) TWO DAYS PRIOR TO CONSTRUCTION AND SHALL NOTIFY ALL UTILITY COMPANIES AT LEAST 48 HOURS PRIOR TO WORK IN THE VICINITY OF THEIR UNDERGROUND LINES. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGE OR DISRUPTION TO UTILITY LINES WHICH ARE KNOWN ACTIVE AND ARE TO REMAIN IN OPERATION.

J. EROSION AND SEDIMENT CONTROL

1. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PERFORMED IN ACCORDANCE WITH THE SWPPP NOTES AND PLAN SHEET. IN THE EVENT THAT THE TEMPORARY EROSION AND POLLUTION CONTROL MEASURES ARE ORDERED BY THE ENGINEER DUE TO THE CONTRACTOR'S NEGLIGENCE, CARELESSNESS, OR FAILURE TO INSTALL PERMANENT CONTROLS AS PART OF THE WORK AS SCHEDULED, SUCH WORK SHALL BE PERFORMED BY THE CONTRACTOR AT HIS OWN EXPENSE.
2. THE FIRST ORDER OF WORK FOR THE CONTRACTOR IS TO INSTALL SEDIMENT CONTROL STRUCTURES, FILTER SOCK, ETC. TO ESTABLISH CONTROL AT THE EARLIEST POSSIBLE DATE. INITIAL CLEARING AND GRUBBING IS ONLY TO BE WHAT IS NECESSARY IN ORDER TO ACCOMPLISH THESE OPERATIONS.
3. IN ADDITION, THE CONTRACTOR, A STORM WATER POLLUTION PERMIT CO-PERMITTEE, IS TO NAME AN INDIVIDUAL TO REVIEW THE EROSION CONTROL FEATURES AT A MINIMUM OF ONCE A WEEK DURING PERIODS OF HEAVY PRECIPITATION, AND/OR ACTIVE CONSTRUCTION TO ASSESS THE SUCCESS OF THE EROSION CONTROL STRUCTURES, REVEGETATION EFFORTS, AND SEE THE REPLACEMENT, CLEARING, AND/OR INSTALLATION OF ADDITIONAL FEATURES IF NECESSARY ARE CARRIED OUT.

K. CULTURAL RESOURCE PROTECTION

1. CULTURAL RESOURCE INVESTIGATIONS IDENTIFIED TWO PREVIOUSLY RECORDED ARCHAEOLOGICAL SITES WITHIN THE PROJECT BOUNDARY (SITES 33FR3502 AND 33FR3503). NEITHER OF THE PREVIOUSLY RECORDED SITES WERE IDENTIFIED DURING A PHASE I ARCHAEOLOGICAL SURVEY OF THE PROJECT AREA CONDUCTED BY STONE ENVIRONMENTAL ENGINEERING & SCIENCE (STONE) FROM OCTOBER 2024 TO JANUARY 2025. ONE NEW, PREVIOUSLY UNRECORDED ARCHAEOLOGICAL SITE (33FR3608) WAS IDENTIFIED ON THE NORTHEASTERN PORTION OF THE PROJECT AREA DURING THE PHASE I INVESTIGATION. THE SITE LACKS INFORMATION TO BE LISTED IN THE NATIONAL REGISTER OF HISTORIC PLACES (NRHP). THEREFORE, NO CONSTRUCTION RESTRICTIONS WERE RECOMMENDED FOR CULTURAL RESOURCES.
2. IF THE EXCAVATION OPERATIONS ENCOUNTER REMAINS OR PREHISTORIC PEOPLE'S DWELLING SITES OR ARTIFACTS OF HISTORICAL OR ARCHEOLOGICAL SIGNIFICANCE, THE OPERATIONS SHALL BE TEMPORALLY DISCONTINUED IN THIS AREA AND THE CONTRACTOR SHALL NOTIFY THE CITY'S REPRESENTATIVE. THE CITY'S REPRESENTATIVE WILL CONTACT THE OHIO HISTORIC PRESERVATION OFFICE TO DETERMINE THE DISPOSITION OF THE FIND. AFTER CONSULTATION WITH THE OHIO HISTORIC PRESERVATION OFFICE, THE CITY'S REPRESENTATIVE MAY ELECT TO DISCONTINUE THE WORK IN THE AREA INDEFINITELY, RESUME NORMAL EXCAVATION, OR EXCAVATE FOR ARTIFACTS. WHEN DIRECTED BY THE CITY'S REPRESENTATIVE TO EXCAVATE FOR ARTIFACTS, THE CONTRACTOR SHALL EXCAVATE THE SITE IN SUCH A MANNER AS TO PRESERVE THE ARTIFACTS ENCOUNTERED AND SHALL REMOVE THEM FOR DELIVERY TO THE CUSTODY OF THE PROPER AUTHORITIES. THE CONTRACTOR SHALL NOT DISTURB ANY HISTORICAL OR CULTURAL BUILDINGS, FOUNDATION, STRUCTURE, OR MATERIALS ABOVE OR BELOW THE GROUND SURFACE.

L. SITE CLEANUP

1. DURING CONSTRUCTION AND PRIOR TO ACCEPTANCE OF ANY PUBLIC IMPROVEMENTS, THE OWNER/DEVELOPER SHALL REMOVE OR CAUSE TO BE REMOVED ALL REFUSE, RUBBISH, UNUSED MATERIALS, EXCESS EARTH, FILL ROCK, DEBRIS, AND FOREIGN MATTER FROM ALL PUBLIC RIGHT OF WAY, IMPROVEMENTS, AND/OR EASEMENTS AS WERE DEPOSITED, LEFT, OR RESULTED FROM THE CONSTRUCTION IMPROVEMENTS OF ANY NATURE WITHIN THE DEVELOPMENT. SUCH REMOVAL SHALL TAKE PLACE WITHIN TWENTY-FOUR (24) HOURS AFTER BEING NOTIFIED BY THE COUNTY ENGINEER AND REGULATING AGENCIES.
2. THIS WORK SHALL BE PERFORMED IN A MANNER WHICH PREVENTS EROSION AS WELL AS PREVENTS STORM WATER FROM ACCUMULATING OR PONDING ON THE SITE. THE WORK SHALL ALSO BE PERFORMED IN A MANNER THAT PREVENTS DISRUPTING OR IMPEDING SURFACE DRAINAGE FROM ONSITE OR OFFSITE SOURCES AND PREVENTS ANY NEGATIVE EFFECTS ON ADJACENT PROPERTIES.

M. FEDERAL, STATE, AND LOCAL LAWS AND SAFETY REGULATIONS

1. THE CONTRACTOR AND ANY SUB-CONTRACTORS SHALL CONFORM TO APPLICABLE OSHA SAFETY REGULATIONS. THE CONTRACTOR AND ANY SUB-CONTRACTORS SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL FEDERAL, STATE, AND LOCAL SAFETY REQUIREMENTS TOGETHER WITH EXERCISING PRECAUTIONS AT ALL TIMES FOR THE PROTECTION OF PERSONS INCLUDING EMPLOYEES AND PROPERTY. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND SUB-CONTRACTOR TO INITIATE, MAINTAIN, AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS, AND PROGRAMS IN CONNECTION WITH THE WORK.

N. CLEARING & GRUBBING LIMITS

1. CLEARING LIMITS SHALL BE EXTENDED TO A MAXIMUM LIMIT NECESSARY FOR CONSTRUCTION MATERIALS AND SHALL NOT EXTEND BEYOND CONSTRUCTION BOUNDARIES WHERE EARTHWORK ACTIVITIES ARE TO BE PERFORMED. GRUBBING SHALL ONLY TAKE PLACE WITHIN THE AREA AS NECESSARY. ALL COSTS ASSOCIATED WITH CLEARINGS & GRUBBING SHALL BE CONSIDERED INCIDENTAL TO BID ITEM 201.

O. AS-BUILT DRAWINGS

1. DURING CONSTRUCTION, THE CONTRACTOR AND THE ENGINEER SHALL WORK TOGETHER TO MAINTAIN A SET OF PRINTS SHOWING ANY CHANGES OR CORRECTIONS IN RED. THESE PRINTS SHALL BE SUBMITTED TO THE ENGINEER AT THE COMPLETION OF THE WORK.

COORDINATION OF WORK

CONTRACTOR IS MADE AWARE OF WORK BY OTHERS WITHIN THE PROJECT BOUNDARY. CONTRACTOR SHALL MAINTAIN ON-GOING COORDINATION THROUGHOUT THE LIFE CYCLE OF THIS PROJECT TO MINIMIZE CONFLICTS WITH THE ALUM CREEK TRUNK SOUTH SANITARY SEWER REHABILITATION PROJECT (CC 18773) OR ANY OTHER WORK BY OTHERS WITHIN THE PROJECT BOUNDARY.

PUBLIC SAFETY AROUND CONSTRUCTION AREA

THIS PROJECT IS LOCATED WITHIN A PUBLIC USE AREA. UNLESS OTHERWISE DIRECTED IN THE PLANS OR BY THE OWNER IN WRITING, PEDESTRIAN ACCESS FOR THE PUBLIC WILL BE MAINTAINED ALONG ALUM CREEK TRAIL AT ALL TIMES, AND THE CONTRACTOR IS ADVISED TO MAKE ACCOMMODATIONS TO MAINTAIN THE SAFETY OF THE PUBLIC. THE CONTRACTOR SHALL USE CONSTRUCTION FENCING AND/OR PORTABLE CONCRETE BARRIERS OR OTHER APPROVED TRAFFIC CONTROL DEVICES TO PROTECT FROM DROP-OFFS. THE CONTRACTOR SHALL RESTRICT FOOT TRAFFIC FROM THE CONSTRUCTION ZONE AT ALL TIMES THROUGH THE USE OF FENCING AS NECESSARY.

CONSTRUCTION ACCESS

CONTRACTOR SHALL DETERMINE CONSTRUCTION ACCESS TO THE PROJECT AREA(S) WITHOUT DISTURBING OPERATION OF PARK FACILITIES. TEMPORARY CLOSURE OF PARK DRIVES AND TRAILS SHALL BE APPROVED BY THE CITY OF COLUMBUS. THE CONTRACTOR SHALL RESTORE ALL ACCESS ROUTES WITHIN THE PROJECT AREA TO THEIR ORIGINAL CONDITION AND AT NO ADDITIONAL COST TO THE CITY.

CONTRACTOR SHALL SUBMIT A CONSTRUCTION ACCESS PLAN TO THE CITY FOR APPROVAL, DELINEATING THE LOCATIONS OF CONSTRUCTION EQUIPMENT ENTRY TO THE PROJECT SITE. THE PLAN SHALL BE SUBMITTED AT THE PRECONSTRUCTION MEETING AND PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING SAFETY AT ALL ACCESS POINTS AT ALL TIMES DURING CONSTRUCTION.

ANY LANE OR SHOULDER CLOSURES OR RESTRICTIONS TO ADJACENT ROADWAYS SHALL BE IN ACCORDANCE WITH THE CITY OF COLUMBUS AND ODOT STANDARD CONSTRUCTION DRAWINGS. PERMITS MAY BE APPLICABLE.

BID ALTERNATIVE ITEMS

WORK WITHIN THE EASTERN FIELD IS MADE PART OF BID ALTERNATE #1. THIS WORK SHALL INCLUDE ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY FOR EROSION AND SEDIMENT CONTROLS, CLEARING AND GRUBBING, REMOVAL OF DRAIN TILES, GRADING OF WETLAND DEPRESSIONS, ADA ACCESS PATH, BENCHES, AND SIGNAGE, SITE STABILIZATION, AND PLANTING.

CONSTRUCTION SEQUENCING

THE CITY AND/OR THEIR REPRESENTATIVE WILL PROVIDE CONSTRUCTION OBSERVATION DURING THE CONSTRUCTION PHASE OF THIS PROJECT. THE GENERAL CONSTRUCTION SEQUENCE SHALL BE USED DURING IMPLEMENTATION OF THE PROPOSED PROJECT CONSTRUCTION. CONTRACTOR SHALL REFER TO THE APPROVED PERMITS FOR SPECIFIC CONSTRUCTION SEQUENCE ITEMS AND SHALL BE RESPONSIBLE FOR FOLLOWING THE APPROVED PLANS AND PERMIT CONDITIONS.

1. ESTABLISH ALL APPLICABLE PERMITS HAVE BEEN OBTAINED. PERMITS SHALL REMAIN ON-SITE THROUGHOUT THE PROJECT DURATION.
2. CONTRACTOR SHALL NOTIFY OHIO "811" CENTER (1-800-362-2764) A MINIMUM OF 2 DAYS PRIOR TO START OF CONSTRUCTION AND 2 DAYS PRIOR TO ANY EARTH DISTURBING ACTIVITIES. CONTRACTOR SHALL NOTIFY THE CITY ENGINEER OF ANY DISCREPANCIES BETWEEN THE DESIGN AND UTILITIES LOCATIONS AND/OR ADJOINING EASEMENTS AT THIS TIME.
3. HOLD A PRE-CONSTRUCTION MEETING ON-SITE. ATTENDEES SHALL INCLUDE BUT NOT BE LIMITED TO CITY OF COLUMBUS RECREATION AND PARKS DEPARTMENT PERSONNEL, DESIGN ENGINEER, CONSTRUCTION MANAGER, CONTRACTOR/SUPERINTENDENT, PROJECT REPRESENTATIVES FROM THE ACT PH II PROJECT, UTILITY REPRESENTATIVES, E&S INSPECTORS, USACE REPRESENTATIVE, ETC.
4. CLEAR MINIMUM AREA NECESSARY FOR INSTALLATION OF EROSION AND SEDIMENT (E&S) CONTROL MEASURES. THIS SHALL INCLUDE BUT NOT BE LIMITED TO ALL PERIMETER CONTROLS, CONSTRUCTION ENTRANCES, FILTER SOCK, ORANGE CONSTRUCTION FENCING, ETC. CONTRACTOR MUST OBTAIN APPROVAL FROM THE CITY ENGINEER/CONSTRUCTION MANAGER BEFORE PROCEEDING.
5. CONTRACTOR SHALL MOBILIZE EQUIPMENT, MATERIALS AND PREPARE STAGING AREA(S) AND STOCKPILE AREA(S) AND HAUL ROADS AS SHOWN ON THE PLANS. CONSTRUCTION TRAFFIC SHALL BE RESTRICTED TO THE PROJECT AREA BOUNDARIES OR THE DENOTED "LIMITS OF DISTURBANCE" OR "HAUL ROADS" ON THE PLANS.

CONTRACTOR SHALL BE PREPARED TO ADHERE TO THE FLOOD EASEMENT CONSTRAINTS AND EXPECTATIONS FOR DEMOBILIZATION AND REMOBILIZING EQUIPMENT AND MATERIALS TO THE SITE EACH DAY.

6. CLEAR AND GRUB REMAIN LIMITS OF DISTURBANCE, AS NECESSARY. NO AREA SHALL REMAIN DISTURBED BEYOND 14 DAYS. CONTRACTOR SHALL STAGE CLEARING AND GRUBBING AND REMAINING CONSTRUCTION ACTIVITIES TO MEET THIS TIME CONSTRAINT.
7. CONSTRUCT WETLANDS AND EARTHEN WATER DIVERSION BERMS. CONTRACTOR SHALL UTILIZE DESIGNATED STOCKPILE AREAS FOR EXCAVATED MATERIAL FROM PROPOSED WETLAND AREAS. NO MORE AREA SHALL BE DISTURBED BY GRADING / EXCAVATION THAN CAN BE PROTECTED BY THE END OF EACH WORKING DAY. THE INTENTION OF THIS RESTRICTION IS TO ENSURE GRADING OPERATIONS DO NOT OUTPACE STABILIZATION EFFORTS.
8. REMOVE CULVERTS AND PLUG DITCHES TO THE GRADES AND ELEVATIONS SHOWN. REMOVAL OF EXISTING ACCESS ROUTES SHALL BE COORDINATED WITH OTHER CONSTRUCTION FIRMS PERFORMING WORK ON-SITE. NOTIFY OTHER FIRM AT LEAST 10-DAYS BEFORE PERFORMING WORK.
9. PERFORM SEEDING AND PLANTING (INCLUDING LIVE STAKING) WITHIN 14 DAYS OF COMPLETION OF GRADING ACTIVITIES (MAY BE STAGED). PERMANENT SEEDING AND PLANTING SHALL ADHERE TO THE TIME PERIODS STATED ON THE PLANTING PLANS. ALL DISTURBED AREAS SHOULD HAVE ESTABLISHED GROUND COVER PRIOR TO DEMOBILIZATION.
10. ONCE THE AREA HAS BEEN 70% STABILIZED AND WITH PERMISSION OF THE ENGINEER / E&S INSPECTOR, CONTRACTOR MAY REMOVE E&S MEASURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OFF-SITE REMOVAL OF ALL TRASH, EXCESS BACKFILL, AND ANY OTHER INCIDENTAL MATERIALS PRIOR TO DEMOBILIZATION OF EQUIPMENT FROM THE SITE.

LEGEND

	PROPOSED PROJECT LIMITS
	EXISTING CONTOUR (MAJOR)
	EXISTING CONTOUR (MINOR)
	EXISTING CANOPY DRIP LINE (APPROX.)
	EXISTING OVERHEAD ELECTRICAL LINE
	EXISTING ELECTRICAL POLE
	EXISTING UNDERGROUND SEWER LINE
	EXISTING SANITARY SEWER MANHOLE
	EXISTING STORM SEWER LINE
	EXISTING STORM SEWER MANHOLE
	EXISTING UNDERGROUND WATER LINE
	EXISTING DITCH
	EXISTING FENCE
	EXISTING ROAD
	EXISTING GRAVEL PARKING
	EXISTING PAVED PATH
	EXISTING PARCEL BOUNDARY
	EXISTING RIGHT-OF-WAY
	EXISTING FLOODWAY
	EXISTING STREAM CORRIDOR PROTECTION ZONE
	EXISTING 100-YR FLOODPLAIN
	EXISTING 500-YR FLOODPLAIN
	EXISTING WETLAND
	EXISTING WATERBODY
	EXISTING DRAIN TILE LOCATION (APPROX.)
	PROPOSED CONTOUR (MAJOR)
	PROPOSED CONTOUR (MINOR)
	PROPOSED WALKING TRAIL
	PROPOSED OVERLOOK
	PROPOSED EARTHEN BERM*
	PROPOSED WETLAND RESTORATION AREA
	PROPOSED LOW WATER CROSSING*
	PROPOSED ASPHALT PAVEMENT*
	PROPOSED STREAM BUFFER SIGNAGE*
	PROPOSED NO MOW MARKER*
	PROPOSED BOULDER SILL*
	PROPOSED WOODY DEBRIS HABITAT*
	PROPOSED LIMITS OF DISTURBANCE
	PROPOSED BID ALTERNATE #1

*NOT TO SCALE

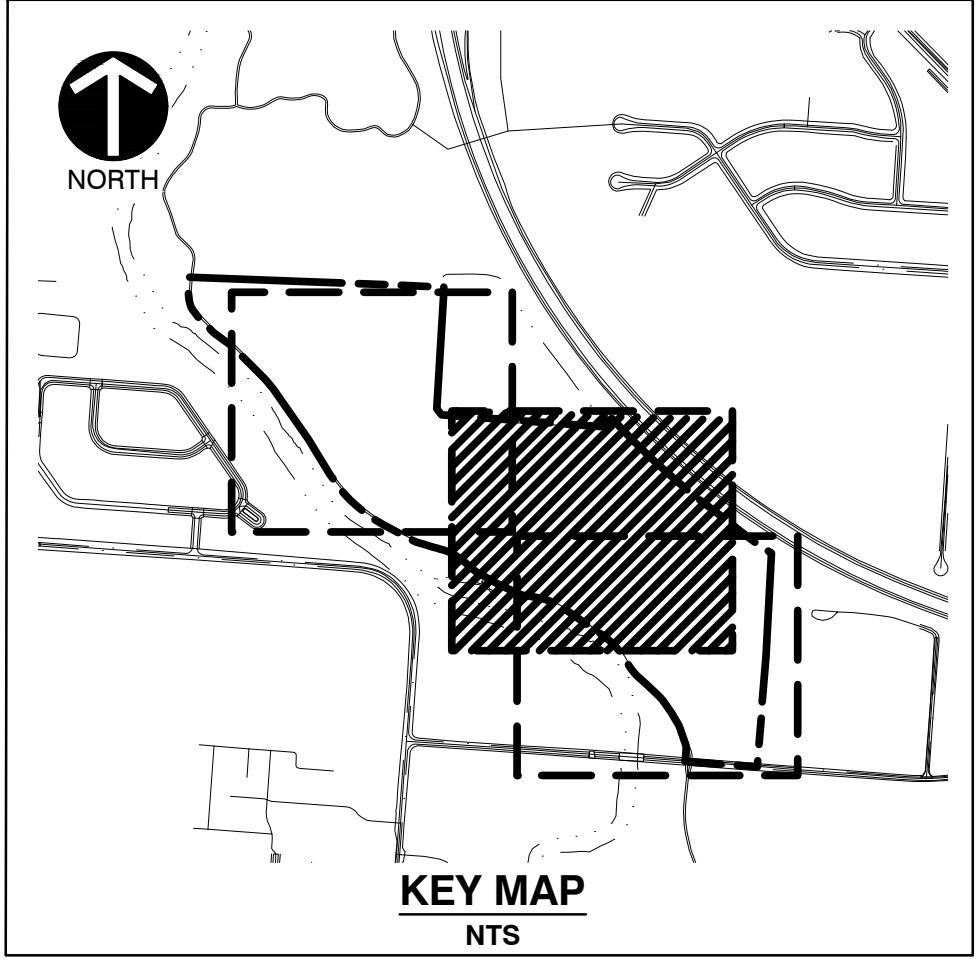
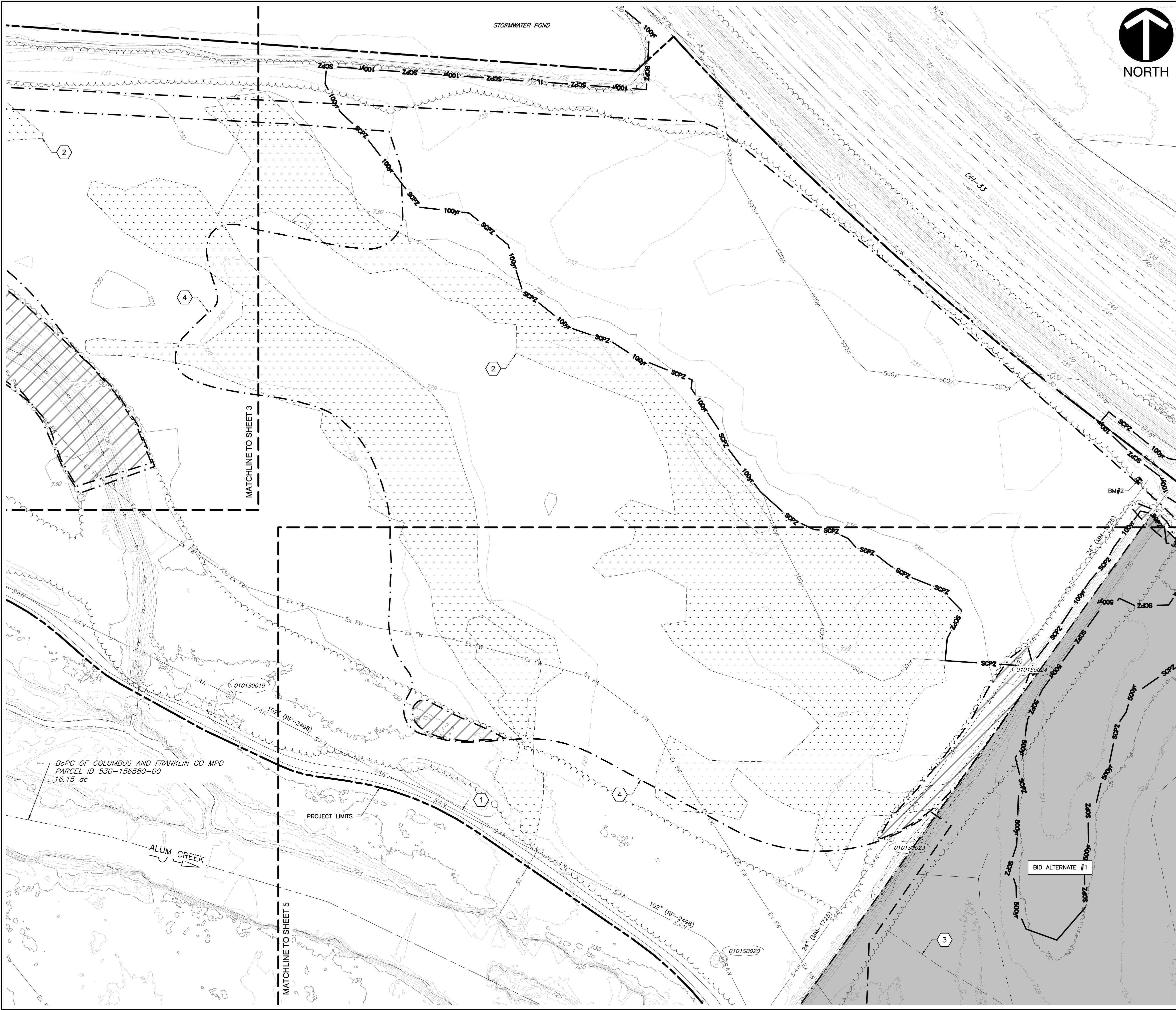
DRAWN BY:	LAB
CHECKED BY:	JKL
APPROVED BY:	RKU
PROJECT NO:	340-879
DATE:	AUG 2025

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GENERAL NOTES

THREE CREEKS WETLAND
RESTORATION PROJECT
3086 WATKINS ROAD, CITY OF COLUMBUS, OHIO

P:\140-200\140-0791-CADD\DWG\140-0791-SC06-EXISTING PLANDWG\14 CENTRAL EXISTING & DEMOLITION PLAN 15(LBRUGGEMER - 8/4/2025 3:46:14 PM) - LP- 8/4/2025 5:33:32 PM



- KEY NOTE ITEMS** (#)
- EXISTING ALUM CREEK MULTI-USE TRAIL TO REMAIN.
 - EXISTING CATEGORY 1 WETLAND.
 - DRAIN TILE TO BE REMOVED/DISRUPTED.
 - PROPOSED LIMITS OF DISTURBANCE. SHOWN AT 2-FT OFFSET.

LEGEND	
	PROPOSED PROJECT LIMITS
	EXISTING CONTOUR (MAJOR)
	EXISTING CONTOUR (MINOR)
	EXISTING CANOPY DRIP LINE (APPROX.)
	EXISTING OVERHEAD ELECTRICAL LINE
	EXISTING ELECTRICAL POLE
	EXISTING UNDERGROUND SEWER LINE
	EXISTING SANITARY SEWER MANHOLE
	EXISTING STORM SEWER LINE
	EXISTING STORM SEWER MANHOLE
	EXISTING DITCH
	EXISTING FENCE
	EXISTING ROAD
	EXISTING GRAVEL PARKING
	EXISTING PAVED PATH
	EXISTING PARCEL BOUNDARY
	EXISTING RIGHT-OF-WAY
	EXISTING FLOODWAY (ZONE AE)
	EXISTING STREAM CORRIDOR PROTECTION ZONE
	EXISTING 100-YR FLOODPLAIN (ZONE AE)
	EXISTING 500-YR FLOODPLAIN (ZONE X)
	EXISTING WETLAND
	EXISTING WATERBODY
	EXISTING DRAIN TILE LOCATION (APPROX.)
	PROPOSED LIMITS OF DISTURBANCE
	PROPOSED BID ALTERNATE #1

- GENERAL NOTES**
- FOR TREE REMOVAL EXTENTS SEE THE FINAL SITE COMPLIANCE PLAN.
 - DRAIN TILE REMOVAL IS PART OF BID ALTERNATE #1. CONTRACTOR TO RECEIVE WRITTEN APPROVAL PRIOR TO STARTING WORK.
 - LOCATIONS OF DRAIN TILE BASED ON AERIAL IMAGERY. CONTRACTOR SHALL FIELD VERIFY.

- REFERENCES**
- EXISTING TOPOGRAPHIC SURVEY COLLECTED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. IN JUNE 2024 AND SUPPLEMENTED WITH OGRIPI LIDAR DATA COLLECTED IN MAY 2024. ELEVATIONS ARE BASED ON A NGS OPUS-S SOLUTION USING O.D.O.T. CORRS NETWORK, OHIO SOUTH ZONE NAD 83 (2011 ADJUSTMENT), NAVD 88 (GEOID 18) DATUM.
 - EXISTING UTILITIES OUTSIDE THE PROJECT AREA BASED ON AVAILABLE CITY OF COLUMBUS GIS DATA.
 - PARCELS, WATERWAY EXTENTS, TRAILS, ROADWAYS, ETC ARE BASED ON CITY OF COLUMBUS GIS DATA COLLECTED IN 2016.
 - FLOODWAY AND FLOODPLAIN BOUNDARIES BASED ON FEMA MSC COLLECTED IN JULY 2024.

SCALE IN FEET
0 60 120

DRAWN BY: LAB

CHECKED BY: JKL

APPROVED BY: RKJ

PROJECT NO: 340-879

DATE: AUG 2025

8800 Lyra Drive
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Civil & Environmental
Consultants, Inc.

CENTRAL EXISTING & DEMOLITION PLAN

THREE CREEKS WETLAND
RESTORATION PROJECT

3086 WATKINS ROAD, CITY OF COLUMBUS, OHIO

4

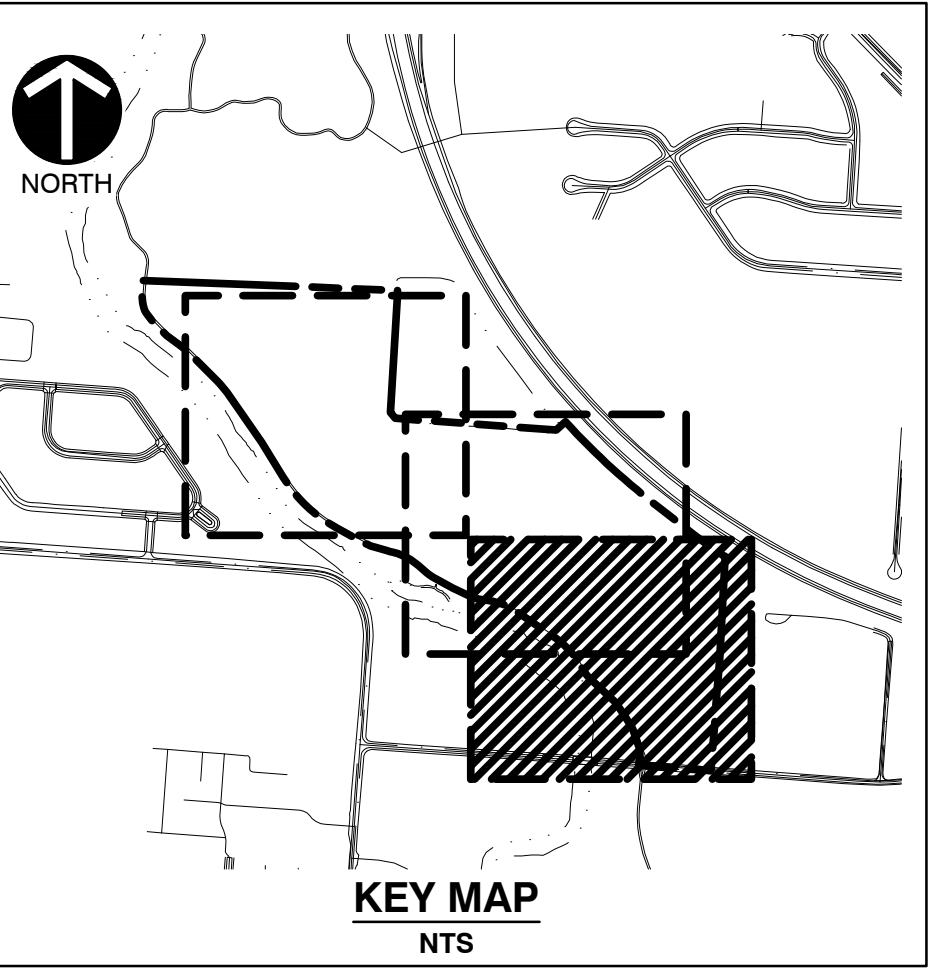
13



NORTH



NORTH



KEY MAP

NTS

KEY NOTE ITEMS

1. EXISTING ALUM CREEK MULTI-USE TRAIL TO REMAIN.
2. EXISTING CATEGORY 1 WETLAND.
3. DRAIN TILE TO BE REMOVED/DISRUPTED.
4. PROPOSED LIMITS OF DISTURBANCE. SHOWN AT 2--FT OFFSET.

LEGEND

	PROPOSED PROJECT LIMITS
	EXISTING CONTOUR (MAJOR)
	EXISTING CONTOUR (MINOR)
	EXISTING CANOPY DRIP LINE (APPROX.)
	EXISTING OVERHEAD ELECTRICAL LINE
	EXISTING ELECTRICAL POLE
	EXISTING UNDERGROUND SEWER LINE
	EXISTING SANITARY SEWER MANHOLE
	EXISTING STORM SEWER LINE
	EXISTING STORM SEWER MANHOLE
	EXISTING UNDERGROUND WATER LINE
	EXISTING DITCH
	EXISTING FENCE
	EXISTING ROAD
	EXISTING GRAVEL PARKING
	EXISTING PAVED PATH
	EXISTING PARCEL BOUNDARY
	EXISTING RIGHT-OF-WAY
	EXISTING FLOODWAY (ZONE AE)
	EXISTING STREAM CORRIDOR PROTECTION ZONE
	EXISTING 100-YR FLOODPLAIN (ZONE AE)
	EXISTING 500-YR FLOODPLAIN (ZONE X)
	EXISTING WETLAND
	EXISTING WATERBODY
	EXISTING DRAIN TILE LOCATION (APPROX.)
	PROPOSED LIMITS OF DISTURBANCE
	PROPOSED BID ALTERNATE #1

GENERAL NOTES

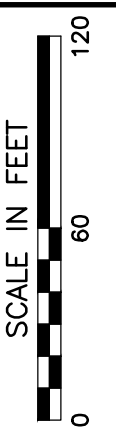
1. DRAIN TILE REMOVAL IS PART OF BID ALTERNATE #1. CONTRACTOR TO RECEIVE WRITTEN APPROVAL PRIOR TO STARTING WORK.
2. LOCATIONS OF DRAIN TILE BASED ON AERIAL IMAGERY. CONTRACTOR SHALL FIELD VERIFY.

REFERENCES

1. EXISTING TOPOGRAPHIC SURVEY COLLECTED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. IN JUNE 2024 AND SUPPLEMENTED WITH OGRIP LIDAR DATA COLLECTED IN MAY 2024. ELEVATIONS ARE BASED ON A NGS OPUS-S SOLUTION USING O.D.O.T. CORS NETWORK, OHIO SOUTH ZONE NAD 83 (2011 ADJUSTMENT), NAVD 88 (GEOID 18) DATUM.
2. EXISTING UTILITIES OUTSIDE THE PROJECT AREA BASED ON AVAILABLE CITY OF COLUMBUS GIS DATA.
3. PARCELS, WATERWAY EXTENTS, TRAILS, ROADWAYS, ETC ARE BASED ON CITY OF COLUMBUS GIS DATA COLLECTED IN 2016.
4. FLOODWAY AND FLOODPLAIN BOUNDARIES BASED ON FEMA MSC COLLECTED IN JULY 2024.



NORTH



CHECKED BY:	JKL
APPROVED BY:	RKJ
PROJECT NO:	340-879

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Columbus, OH 43240
Ph: 614.540.6633



Civil & Environmental
Consultants Inc.

SOUTHEASTERN EXISTING & DEMOLITION PLAN

RESTORATION PROJECT

RESTORATION PROJECT

5
13

5
13

P:\340-000\340-879\ -CADD\DWG\EC06-EXISTING PLAN.DWG\5 SOUTHEASTERN EXISTING & DEMOLITION PLAN\ LS:\LRUEGEMEIER - 8/4/2025 3:46:14 PM) - LP: 8/4/2025 5:24:39 PM



NORTH

CITY OF COLUMBUS
PARCEL ID 010-111412-00
55.28 ac

ALUM CREEK

CITY OF COLUMBUS
PARCEL ID 010-111415-00
34.23 ac

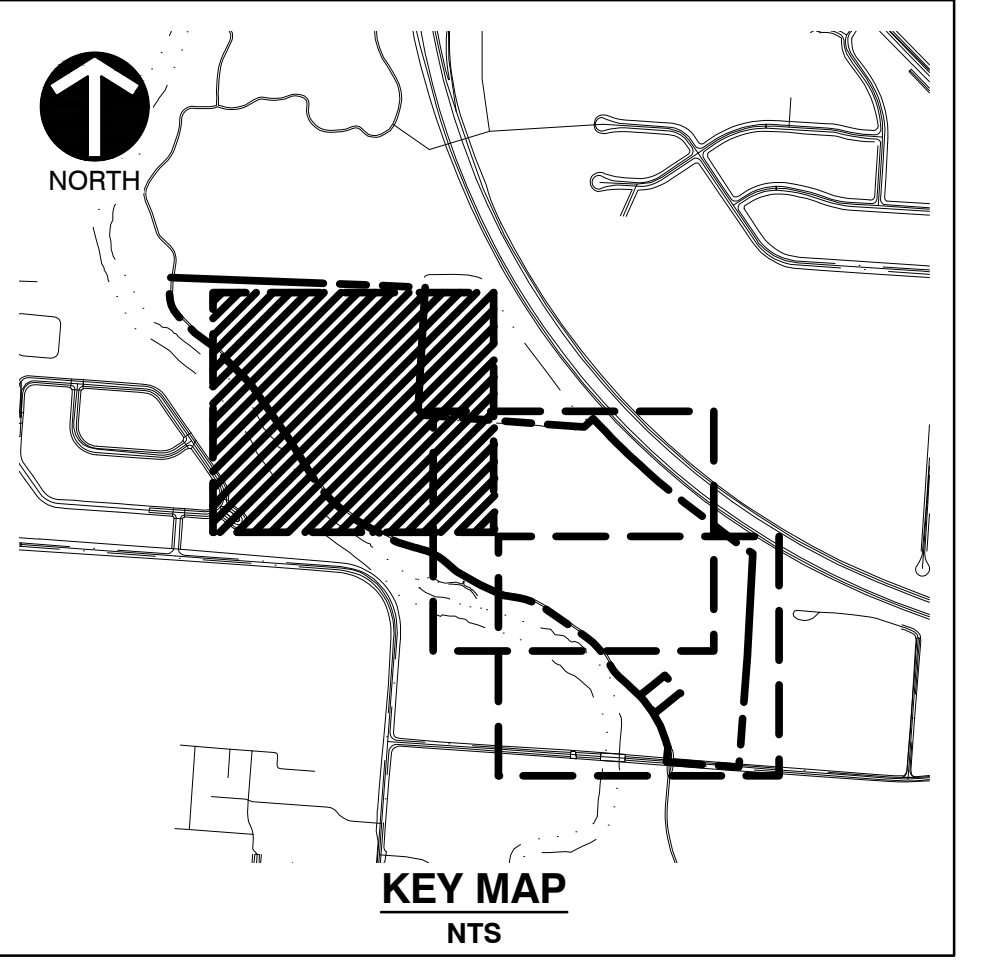
MYRTLE E HAYES
PARCEL ID 010-111-417-00
2.92 ac

**STORMWATER
POND**

CITY OF COLUMBUS
PARCEL ID 530-156616-00
61.21 ac



NORTH,



KEY MAP

NTS

KEY NOTE ITEMS

1. PROPOSED WETLAND DEPRESSION.
2. PROPOSED STOCKPILE AREA.
3. PROPOSED 500--LF BERM, TOP ELEV 732.0--FT AMSL.
4. PROPOSED MOWED PATH. ON GRADE.
5. PROPOSED LOW WATER CROSSING.
6. PROPOSED STREAM CORRIDOR PROTECTION ZONE SIGNAGE.
7. PROPOSED NO MOW MARKER.
8. PROPOSED BOULDER SILL.
9. PROPOSED LIMITS OF DISTURBANCE. SHOWN AT 2--FT OFFSET.

LEGEND

	730	EXISTING CONTOUR (MAJOR)
	729	EXISTING CONTOUR (MINOR)
		EXISTING CANOPY DRIP LINE (APPROX.)
	OH-W	EXISTING OVERHEAD ELECTRICAL LINE
		EXISTING ELECTRICAL POLE
	SAN	EXISTING UNDERGROUND SEWER LINE
		EXISTING SANITARY SEWER MANHOLE
		EXISTING DITCH
		EXISTING ROAD
		EXISTING PAVED PATH
		EXISTING PARCEL BOUNDARY
	R/W	EXISTING RIGHT-OF-WAY
	Ex FW	EXISTING FLOODWAY (ZONE AE)
	SCFPZ	EXISTING STREAM CORRIDOR PROTECTION ZONE
	100yr	EXISTING 100-YR FLOODPLAIN (ZONE AE)
	500yr	EXISTING 500-YR FLOODPLAIN (ZONE X)
		EXISTING WETLAND
		EXISTING WATERBODY
	730.0	PROPOSED CONTOUR (MAJOR)
	730.2	PROPOSED CONTOUR (MINOR)
		PROPOSED WALKING TRAIL
		PROPOSED EARTHEN BERM*
		PROPOSED WETLAND RESTORATION AREA
		PROPOSED LOW WATER CROSSING*
		PROPOSED STREAM BUFFER SIGNAGE*
		PROPOSED NO MOW MARKER*
		PROPOSED BOULDER SILL*
		PROPOSED LIMITS OF DISTURBANCE

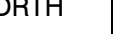
*NOT TO SCALE

GENERAL NOTES

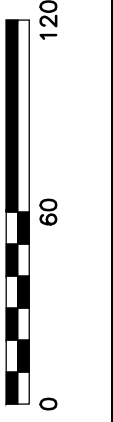
1. CONTOURS FOR EXISTING TOPOGRAPHY ARE REPRESENTED IN 1.0' INTERVALS. CONTOURS FOR PROPOSED GRADING ARE REPRESENTED IN 0.2' INTERVALS FOR MICROTOPOGRAPHY.
2. SEE CC PLAN NO. CC-20633 FOR STRUCTURE DETAILS.

REFERENCES

1. EXISTING TOPOGRAPHIC SURVEY COLLECTED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. IN JUNE 2024 AND SUPPLEMENTED WITH GORIP LIDAR DATA COLLECTED IN MAY 2024. ELEVATIONS ARE BASED ON A NGS OPUS-S SOLUTION USING O.D.O.T. CORRS NETWORK, OHIO SOUTH ZONE NAD 83 (2011 ADJUSTMENT), NAVD 88 (GEOID 18) DATUM.
2. EXISTING UTILITIES OUTSIDE THE PROJECT AREA BASED ON AVAILABLE CITY OF COLUMBUS GIS DATA.
3. PARCELS, WATERWAY EXTENTS, TRAILS, ROADWAYS, ETC ARE BASED ON CITY OF COLUMBUS GIS DATA COLLECTED IN 2016.
4. FLOODWAY AND FLOODPLAIN BOUNDARIES BASED ON FEMA MSC COLLECTED IN JULY 2024.



BIRTH



APPROVED BY:	RKJ
PROJECT NO:	340-879
DATE:	AUG 2025

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Ph: 614.540.6633
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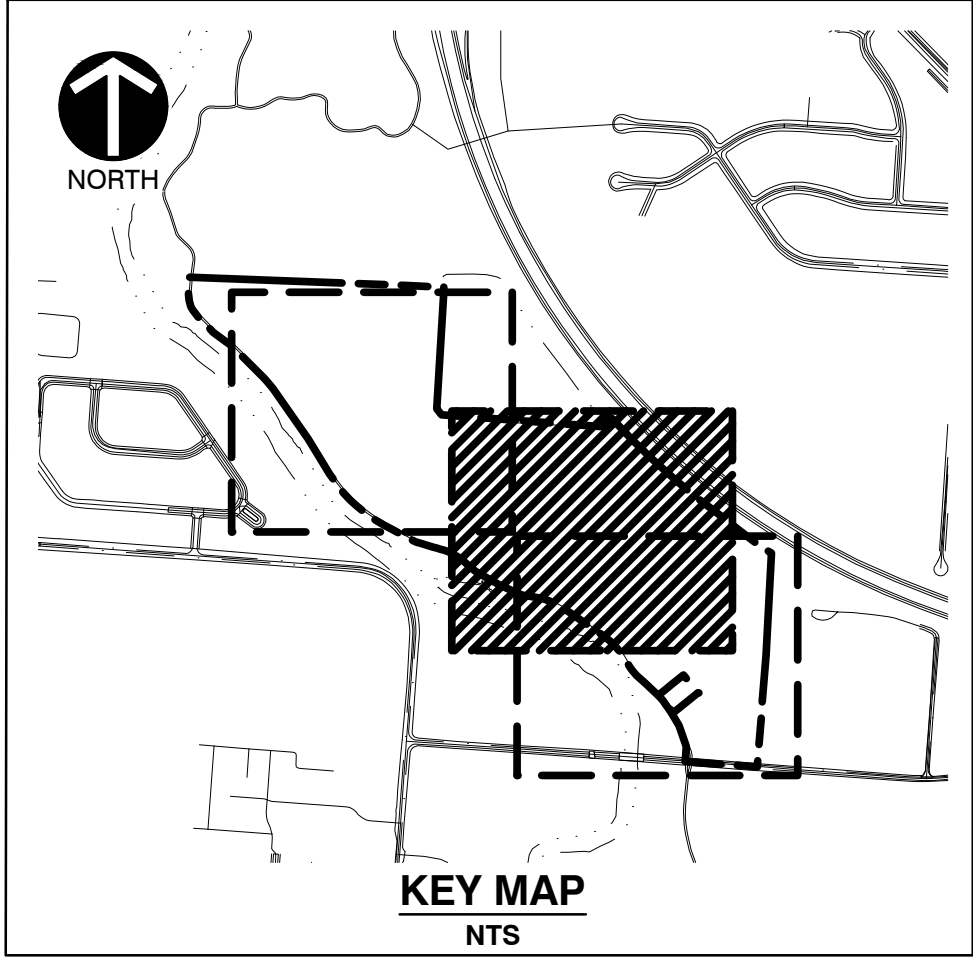
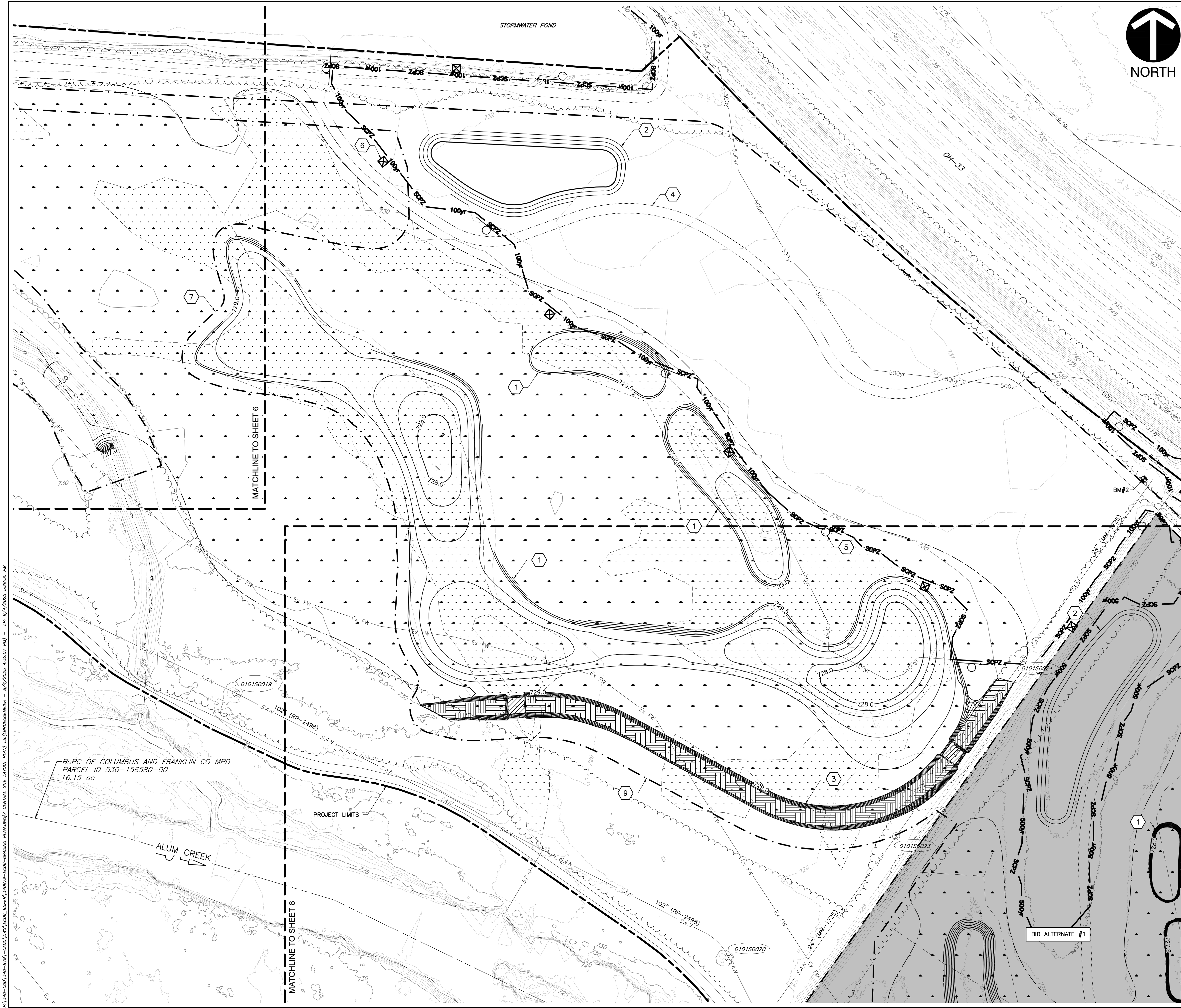
NORTHWESTERN SITE LAYOUT PLAN

RESTORATION PROJECT
86 WATKINS ROAD, CITY OF COLUMBUS, OHIO

13

\\340-000\340-879\ -CA00\DWG\EC06_95PER\340879-EC06-GRADING PLAN.DWG[6 NORTHWESTERN SITE LAYOUT PLAN] LS:(LBUEGEMEIER - 8/4/2025 4:32:07 PM) - LP: 8/4/2025 5:27:39 PM

P:\140-200\140-0791-CADD\DWG\LOCAL SHEETS\140879-ECOE-GRADING PLANS\DWG27 CENTRAL SITE LAYOUT PLAN LS (LBR)GSDMEIER 8/4/2025 4:32:07 PM - L.P. 8/4/2025 5:28:35 PM



- KEY NOTE ITEMS** #
1. PROPOSED WETLAND DEPRESSION.
 2. PROPOSED STOCKPILE AREA.
 3. PROPOSED 820-LF BERM, TOP ELEV 730.0-FT AMSL, SPILLWAY ELEV 729.5-FT AMSL.
 4. PROPOSED MOWED PATH. ON GRADE.
 5. PROPOSED STREAM CORRIDOR PROTECTION ZONE SIGNAGE.
 6. PROPOSED NO MOW MARKER.
 7. PROPOSED LIMITS OF DISTURBANCE. SHOWN AT 2-FT OFFSET.

- LEGEND**
- | | |
|--|--|
| | PROPOSED PROJECT LIMITS |
| | EXISTING CONTOUR (MAJOR) |
| | EXISTING CONTOUR (MINOR) |
| | EXISTING CANOPY DRIP LINE (APPROX.) |
| | EXISTING OVERHEAD ELECTRICAL LINE |
| | EXISTING ELECTRICAL POLE |
| | EXISTING UNDERGROUND SEWER LINE |
| | EXISTING SANITARY SEWER MANHOLE |
| | EXISTING STORM SEWER LINE |
| | EXISTING STORM SEWER MANHOLE |
| | EXISTING DITCH |
| | EXISTING FENCE |
| | EXISTING ROAD |
| | EXISTING GRAVEL PARKING |
| | EXISTING PAVED PATH |
| | EXISTING PARCEL BOUNDARY |
| | EXISTING RIGHT-OF-WAY |
| | EXISTING FLOODWAY (ZONE AE) |
| | EXISTING STREAM CORRIDOR PROTECTION ZONE |
| | EXISTING 100-YR FLOODPLAIN (ZONE AE) |
| | EXISTING WETLAND |
| | EXISTING WATERBODY |
| | EXISTING DRAIN TILE LOCATION (APPROX.) |
| | PROPOSED CONTOUR (MAJOR) |
| | PROPOSED CONTOUR (MINOR) |
| | PROPOSED WALKING TRAIL |
| | PROPOSED EARTHEN BERM* |
| | PROPOSED WETLAND RESTORATION AREA |
| | PROPOSED STREAM BUFFER SIGNAGE* |
| | PROPOSED NO MOW MARKER* |
| | PROPOSED LIMITS OF DISTURBANCE |
| | PROPOSED BID ALTERNATE #1 |
- *NOT TO SCALE

- GENERAL NOTES**
1. CONTOURS FOR EXISTING TOPOGRAPHY ARE REPRESENTED IN 1.0' INTERVALS. CONTOURS FOR PROPOSED GRADING ARE REPRESENTED IN 0.2' INTERVALS FOR MICROTOPOGRAPHY.
 2. WORK WITHIN THE EASTERN FIELD IS PART OF BID ALTERNATE #1. CONTRACTOR TO RECEIVE WRITTEN APPROVAL PRIOR TO STARTING WORK.
 3. SEE CC PLAN NO. CC-20633 FOR STRUCTURE DETAILS.

- REFERENCES**
1. EXISTING TOPOGRAPHIC SURVEY COLLECTED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. IN JUNE 2024 AND SUPPLEMENTED WITH AGRIP LIDAR DATA COLLECTED IN MAY 2024. ELEVATIONS ARE BASED ON A NGS OPUS-S SOLUTION USING G.D.O.I. CORRS NETWORK, OHIO SOUTH ZONE NAD 83 (2011 ADJUSTMENT), NAVD 88 (GEOID 18) DATUM.
 2. EXISTING UTILITIES OUTSIDE THE PROJECT AREA BASED ON AVAILABLE CITY OF COLUMBUS GIS DATA.
 3. PARCELS, WATERWAY EXTENTS, TRAILS, ROADWAYS, ETC ARE BASED ON CITY OF COLUMBUS GIS DATA COLLECTED IN 2016.
 4. FLOODWAY AND FLOODPLAIN BOUNDARIES BASED ON FEMA MSC COLLECTED IN JULY 2024.

SCALE IN FEET
0 60 120

DRAWN BY: LAB

CHECKED BY: JKL

APPROVED BY: RKJ

PROJECT NO: 340-879

DATE: AUG 2025

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Ph: 614.540.6633
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Civil & Environmental
Consultants, Inc.

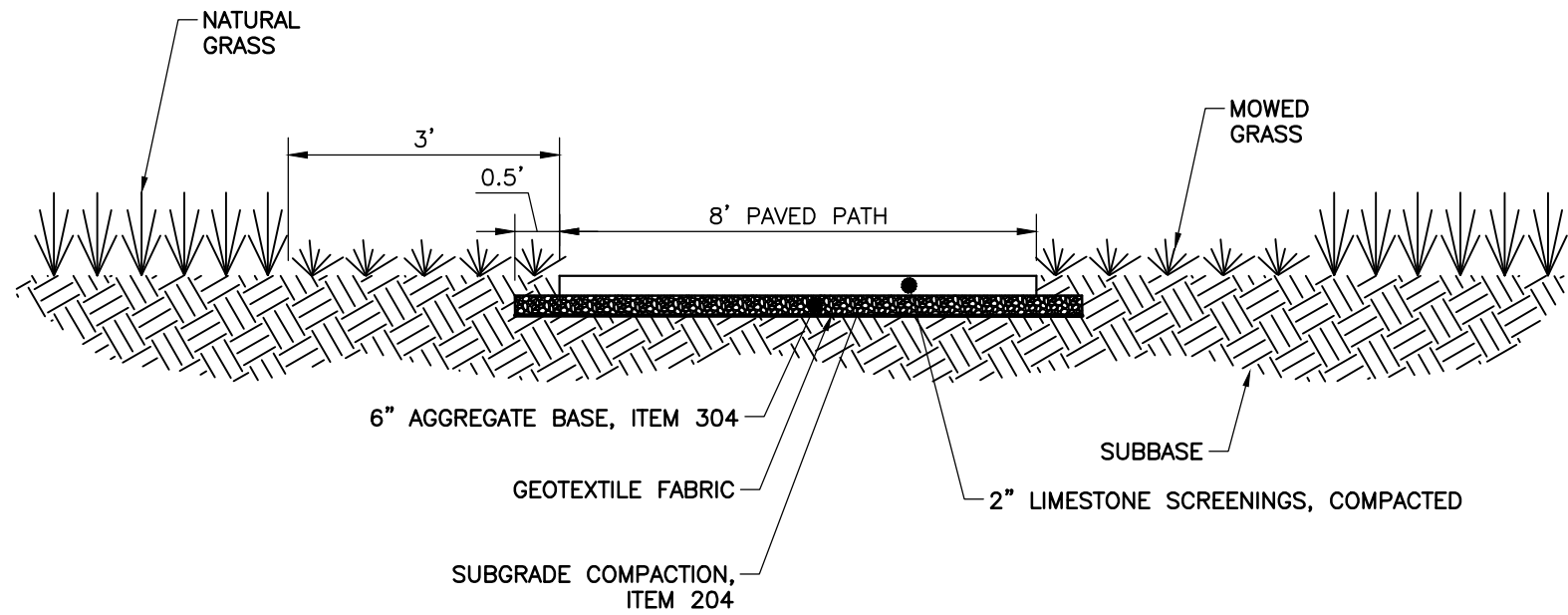
CENTRAL SITE LAYOUT PLAN

THREE CREEKS WETLAND
RESTORATION PROJECT

3086 WATKINS ROAD, CITY OF COLUMBUS, OHIO

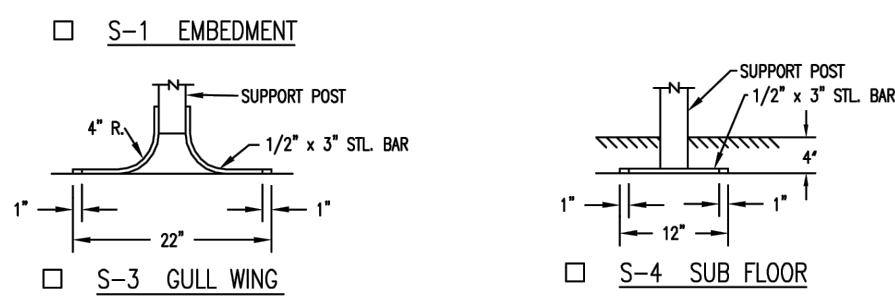
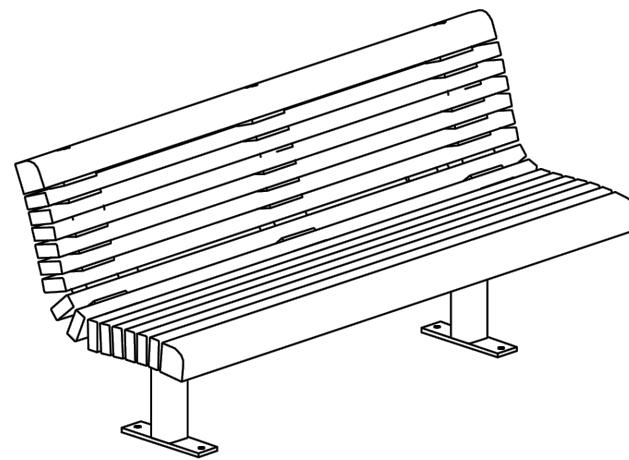
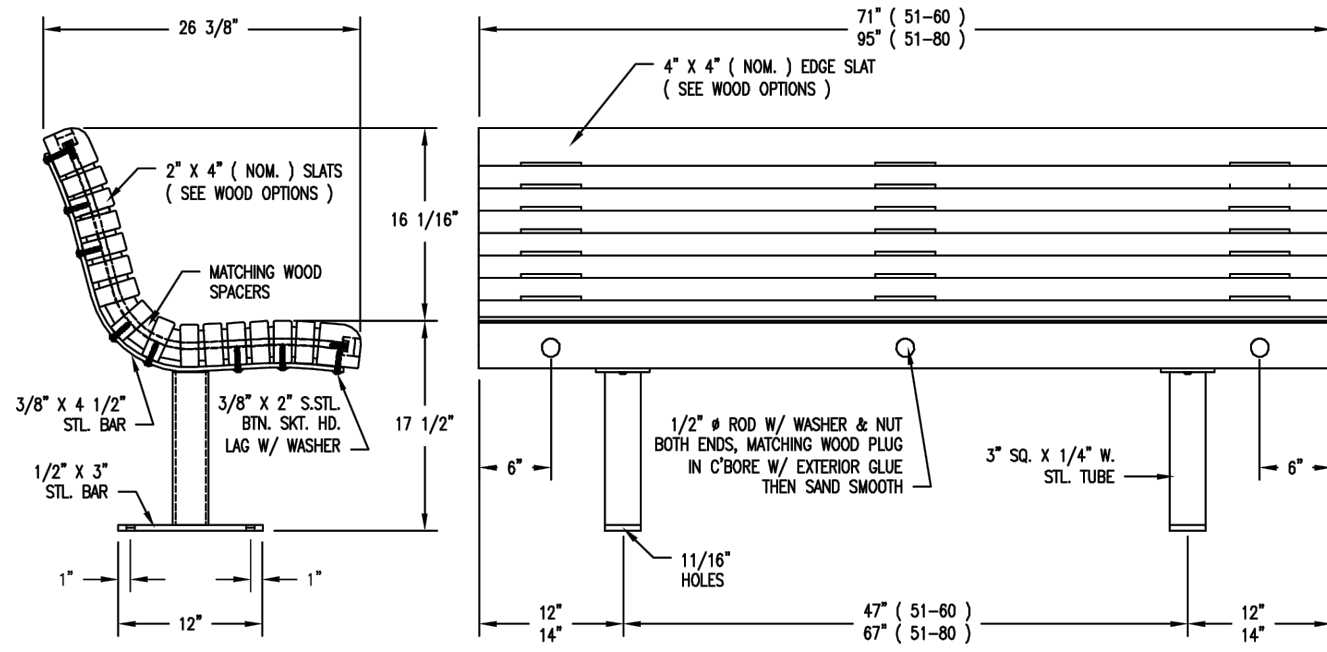
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P:\140-200\140-879\1-CADD\DWG\ECOL_SHEET\140879-ECOL-CORRUG-GRADING-PLAN\DWG\PROPOSED ADA PATH AND OVERLOOK LAYOUT PLAN (S:\BRIEGENMEIER - 8/4/2025 6:02:17 PM) -- LP: 8/4/2025 6:03:27 PM



LIMESTONE PATH

1
9 ADA COMPLIANT PATH
NOT TO SCALE

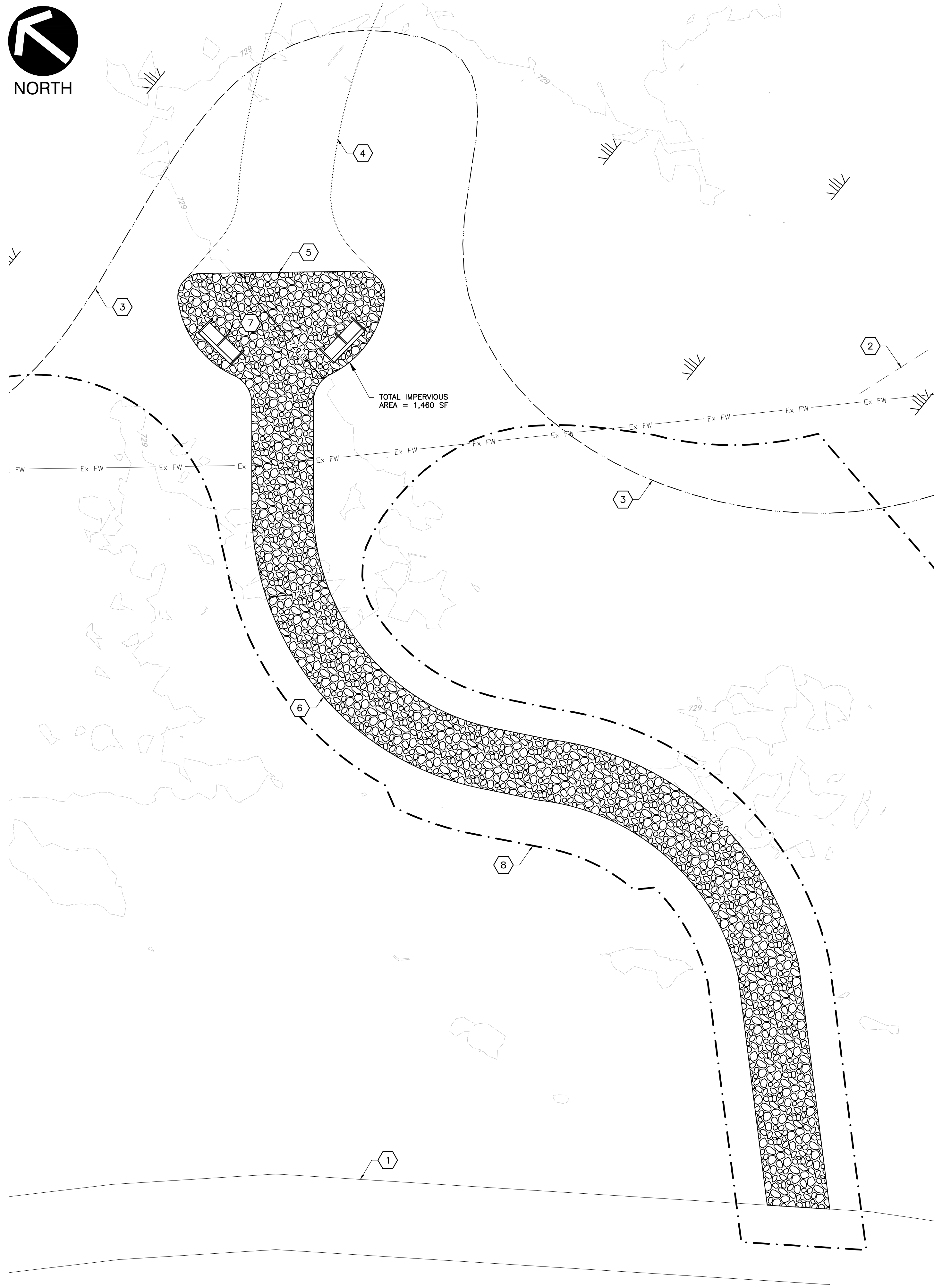


LENGTH OPTIONS
☐ 6' BENCH
☐ 8' BENCH

WOOD OPTIONS
☐ "C" & BTR. DOUGLAS FIR KD S4S EE
☐ IPE S4S EE
☐ OTHER _____

- NOTES
- ALL STL. MEMBERS COATED W/ ZINC RICH EPOXY THEN FINISHED W/ POLYESTER POWDER COATING.
 - 1/2" X 3 3/4" ANCHOR BOLTS PROVIDED FOR S-2, S-3 & S-4 OPTIONS.

2
9 BENCH (DUMOR, INC. 51 SERIES)
NOT TO SCALE



KEY NOTE ITEMS

- EXISTING ALUM CREEK MULTI-USE TRAIL TO REMAIN.
- EXISTING DRAIN TILE TO BE REMOVED/DISRUPTED.
- PROPOSED WETLAND RESTORATION AREA.
- PROPOSED MOWED PATH. ON GRADE.
- PROPOSED 330-SF OVERLOOK AREA.
- PROPOSED 140-LF, 8-FT WIDE ADA COMPLIANT PATH.
- PROPOSED BENCH.
- PROPOSED LIMITS OF DISTURBANCE. SHOWN AT 2-FT OFFSET.

LEGEND

- EXISTING CONTOUR (MAJOR)
- EXISTING CONTOUR (MINOR)
- EXISTING FLOODWAY (ZONE AE)
- EXISTING DRAIN TILE LOCATION (APPROX.)
- PROPOSED CONTOUR (MAJOR)
- PROPOSED CONTOUR (MINOR)
- PROPOSED WALKING TRAIL
- PROPOSED WETLAND RESTORATION AREA
- PROPOSED LIMESTONE PATH*
- PROPOSED LIMITS OF DISTURBANCE

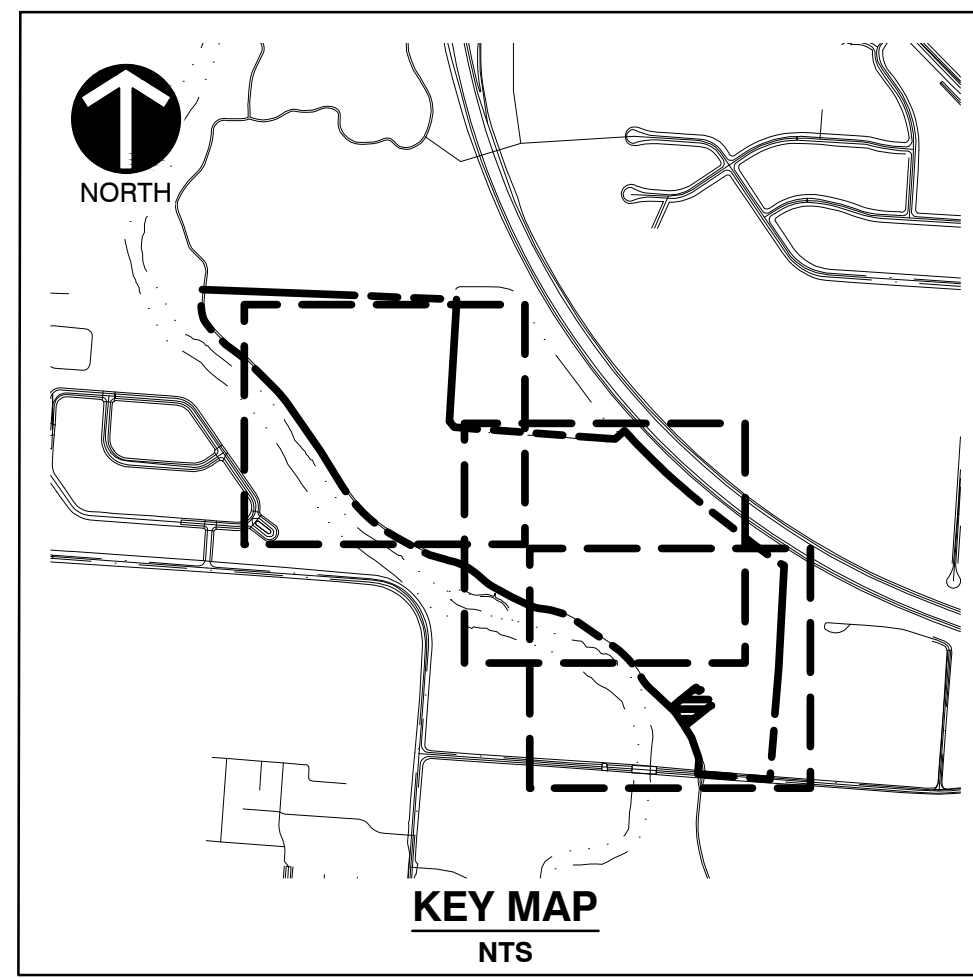
*NOT TO SCALE

GENERAL NOTES

- CONTOURS FOR EXISTING TOPOGRAPHY ARE REPRESENTED IN 1.0' INTERVALS. CONTOURS FOR PROPOSED GRADING ARE REPRESENTED IN 0.2' INTERVALS FOR MICROTOPOGRAPHY.
- ADA PATHWAY, BENCHES, AND SIGNAGE AS SHOWN ON THIS PLAN SHEET IS TO BE COMPLETED UNDER BID ALTERNATE #1. CONTRACTOR TO RECEIVE WRITTEN APPROVAL PRIOR TO STARTING WORK.
- DRAIN TILE LOCATIONS BASED ON AERIAL IMAGERY. CONTRACTOR SHALL FIELD VERIFY.
- SEE CC PLAN NO. CC-20633 FOR STRUCTURE DETAILS.

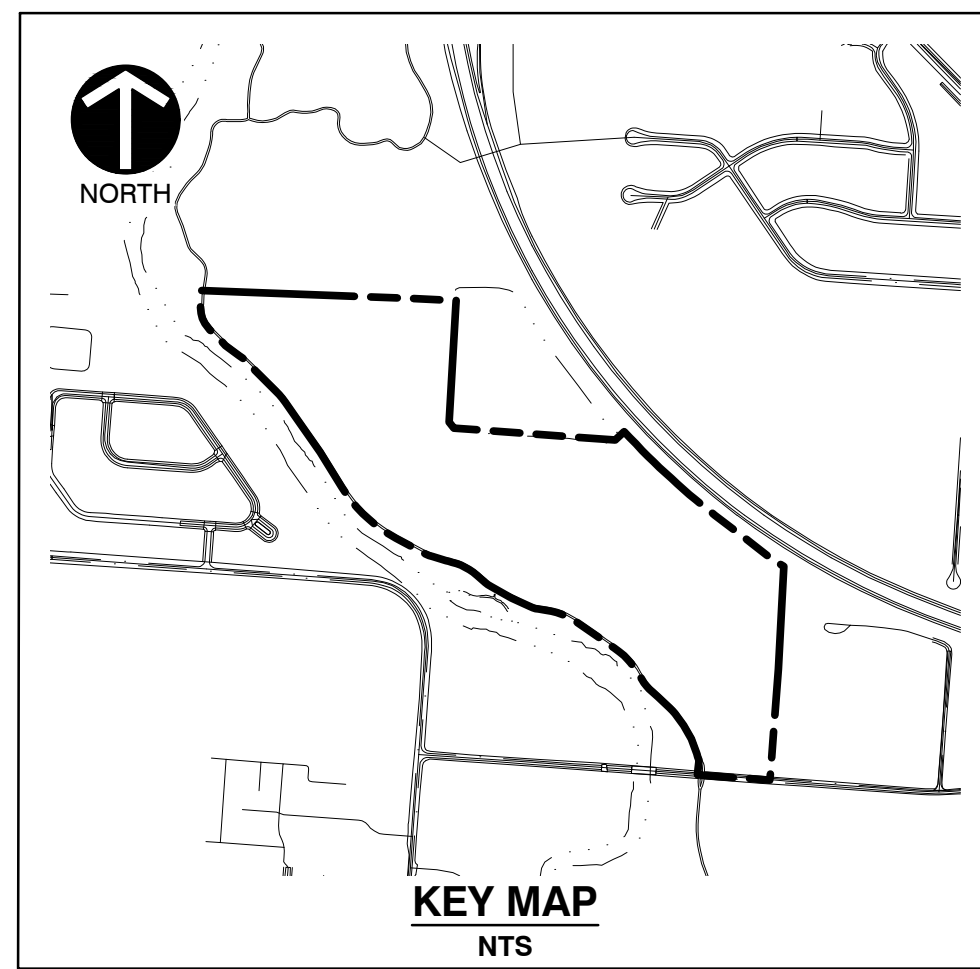
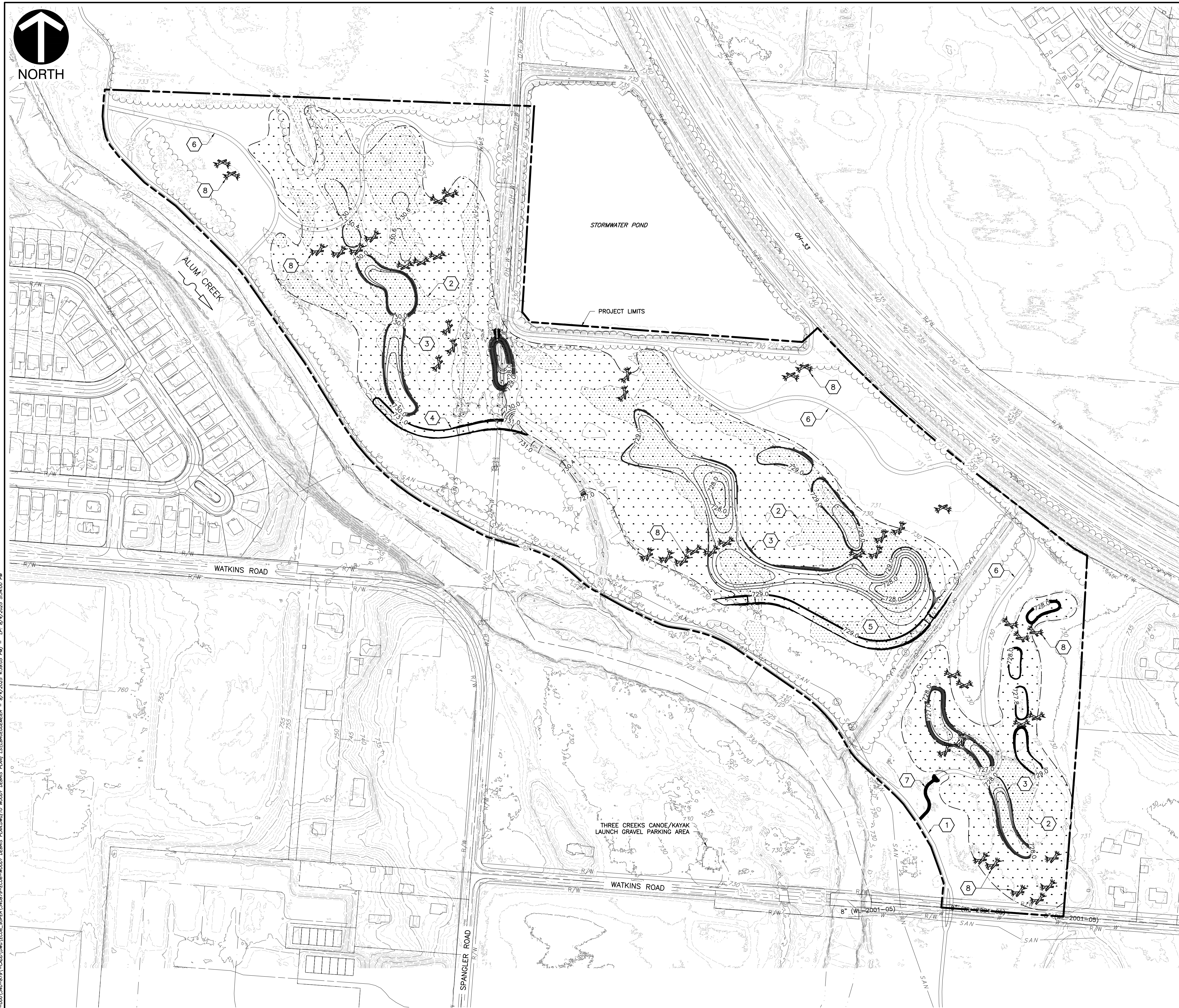
REFERENCES


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- EXISTING UTILITIES OUTSIDE THE PROJECT AREA BASED ON AVAILABLE CITY OF COLUMBUS GIS DATA.
- PARCELS, WATERWAY EXTENTS, TRAILS, ROADWAYS, ETC ARE BASED ON CITY OF COLUMBUS GIS DATA COLLECTED IN 2016.
- FLOODWAY AND FLOODPLAIN BOUNDARIES BASED ON FEMA MSC COLLECTED IN JULY 2024.



PROPOSED ADA PATH AND OVERLOOK
LAYOUT PLAN

THREE CREEKS WETLAND
RESTORATION PROJECT
3086 WATKINS ROAD, CITY OF COLUMBUS, OHIO



- KEY NOTE ITEMS** 

 1. EXISTING ALUM CREEK MULTI-USE TRAIL TO REMAIN.
 2. EXISTING WETLANDS (11.69 AC).
 3. PROPOSED WETLAND DEPRESSION.
 4. PROPOSED 500-LF BERM, TOP ELEV 732.0-FT AMSL.
 5. PROPOSED 820-LF BERM, TOP ELEV 730.0-FT AMSL, SPILLWAY ELEV 729.5-FT AMSL.
 6. PROPOSED MOWED PATH. ON GRADE.
 7. PROPOSED ADA COMPLIANT ACCESS PATH AND OVERLOOK.
 8. PROPOSED WOODY DEBRIS HABITAT. SEE SHEET 11, DETAIL 3.

LEGEND		PROPOSED PROJECT LIMITS
		PROPOSED PROJECT LIMITS
	730	EXISTING CONTOUR (MAJOR)
	729	EXISTING CONTOUR (MINOR)
		EXISTING CANOPY DRIP LINE (APPROX.)
	OH-W	EXISTING OVERHEAD ELECTRICAL LINE
	E	EXISTING ELECTRICAL POLE
	SAN	EXISTING UNDERGROUND SEWER LINE
	S	EXISTING SANITARY SEWER MANHOLE
	ST	EXISTING STORM SEWER LINE
	W	EXISTING UNDERGROUND WATER LINE
		EXISTING DITCH
		EXISTING FENCE
		EXISTING ROAD
		EXISTING PAVED PATH
		EXISTING PARCEL BOUNDARY
	R/W	EXISTING RIGHT-OF-WAY
		EXISTING WETLAND
		EXISTING WATERBODY
	730.0	PROPOSED CONTOUR (MAJOR)
	730.2	PROPOSED CONTOUR (MINOR)
		PROPOSED WALKING TRAIL
		PROPOSED WETLAND RESTORATION AREA
		PROPOSED LIMESTONE PATH*
		PROPOSED WOODY DEBRIS HABITAT*

- ## GENERAL NOTES
1. CONTOURS FOR EXISTING TOPOGRAPHY ARE REPRESENTED IN 1.0' INTERVALS. CONTOURS FOR PROPOSED GRADING ARE REPRESENTED IN 0.2' INTERVALS FOR MICROTOPOGRAPHY.
 2. CONTRACTOR SHALL FIELD MODIFY WOODY DEBRIS HABITAT STRUCTURES.

- ## REFERENCES
1. EXISTING TOPOGRAPHIC SURVEY COLLECTED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. IN JUNE 2014 AND SUPPLEMENTED WITH ORIP LIDAR DATA COLLECTED IN AUGUST 2024. ELEVATIONS ARE BASED ON A NGS OPUS-S SOLUTION USING O.D.T. CORS NETWORK, OHIO SOUTH ZONE NAD 83 (2011 ADJUSTMENT), NAVD 88 (GEOD 18) DATUM.
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 4. FLOODWAY AND FLOODPLAIN BOUNDARIES BASED ON FEMA MSC COLLECTED IN JULY 2024.

P:\140-200\140-879\140-879-1-CADD\DWG\ECOL\SEWER\ECOL-STRUCTURE DETAILS\DWG12-STRUCTURE DETAILS.DWG - LS\JULIEGEMMEYER - 8/4/2025 4:49:47 PM) - LP: 8/4/2025 5:34:29 PM

DRAIN TILE REMOVAL AND DISRUPTION NOTES

1. GENERAL:
- 1.1. DRAIN TILE CONFIGURATIONS ARE USUALLY 2 TO 5 FEET IN DEPTH, ON AVERAGE AND MAY BE IN THE FORM OF A SINGLE TILE LINE OR AN EXTENSIVE ARRAY OF PARALLEL LINES.

1.2. DRAIN TILE ALIGNMENT SHALL BE IDENTIFIED THROUGH INTERPRETATION OF AERIAL IMAGERY OR SITE RECONNAISSANCE.

1.3. REMOVAL AND DISRUPTION IS DEPENDENT ON GEOLOGY, TOPOGRAPHY, DRAIN TILE SIZE/ELEVATION/GRADES/EXTENTS, AND DRAIN TILE QUALITY. THE DETAILS PROVIDED MAY BE ADJUSTED BASED ON FIELD CONDITIONS AS DETERMINED BY THE DESIGN ENGINEER.
2. SOIL DISTURBANCE:
- 2.1. ONLY THE SOIL DIRECTLY ABOVE THE DRAIN TILE SHALL BE DISTURBED. NO MASS GRADING OR STRIPPING OF SURFACE SOIL.

2.2. TOP SOIL DEPTHS SHALL BE DETERMINED IN THE FIELD AND TOP SOIL SHALL BE MAINTAINED SEPARATELY FROM SUB SOIL.

2.3. EXCAVATED TRENCH SHOULD BE AT A 1:1 SLOPE AND BACKFILLED WITH THE SAME MATERIAL THAT WAS EXCAVATED FROM THE TRENCH.

2.4. SUB SOIL WILL BE USED TO BACKFILL ALL TRENCHES AND HOLES FIRST AND COMPACTED TO ACHIEVE DENSITIES EQUAL TO THE ADJACENT, UNDISTURBED UNDERLYING SOILS..

2.5. AT LEAST 6 TO 8 INCHES OF TOPSOIL SHOULD BE BACKFILLED ON TOP FOR PLANTING.
3. TILE DISRUPTION METHODS:
- 3.1. DISRUPTION OF DRAIN TILE EFFICIENCY CAN BE CONDUCTED THROUGH REMOVAL OR BLOCKING.

3.2. DRAIN TILE REMOVAL SHOULD BE PRIMARY PRACTICE UNLESS HIGH QUALITY WETLAND OR OTHER PROTECTED INFRASTRUCTURE IS ENCOUNTERED. ALL FRAGMENTS, DEBRIS, AND FILTER MATERIALS SHOULD BE REMOVED.

3.3. IN DRAIN TILE REMOVAL, A PLUG IS **REQUIRED** AT BOTH ENDS OF THE EXPOSED REMAINING TILE.

3.4. EXCAVATION CONDUIT OR TRENCH MUST BE BACKFILLED WITH HIGH CLAY CONTENT SUB-SOIL AND COMPACTED REPEATEDLY.

3.4.1. FILL MATERIALS SHALL BE HOLE PLUG (BENTONITE CHUNKS) OR SIMILAR MATERIAL.

3.4.1.1. PLUG FILL MATERIALS SHOULD BE INSERTED FOR AT LEAST ONE TO TWO FEET OF TILE END LEFT IN THE LANDSCAPE. NO TILE END WILL BE LEFT IN THE GROUND WITHOUT A BLOCKAGE.

3.5. A MINIMUM OF A 20 FOOT SECTION OF DRAIN TILE SHOULD BE REMOVED OR PLUGGED AT THE PRIMARY TILE BLOCK OR DISRUPTION LOCATIONS TO ENSURE RESTORED WETLAND HYDROLOGY GROUND WATER TABLE.

3.5.1. SUBSEQUENT SUPPLEMENTAL TILE DISRUPTION OR BLOCKAGE SHOULD BE A MINIMUM OF 10 TO 20 FEET IN LENGTH.

3.6. INCREASED LENGTH OF DISRUPTION (REMOVAL OR BLOCK) MAY BE REQUIRED IN PERMEABLE SOILS SUCH AS SAND, GRAVEL, OR ORGANIC SOILS WHERE LATERAL DRAINAGE EFFECTS FROM DOWNSTREAM DRAINAGE SYSTEMS MAY BE INFLUENTIAL.

3.7. SUPPLEMENTAL TILE REMOVAL OR BLOCKS MAY BE REQUIRED IN SLOPED LANDSCAPES OR FLAT LANDSCAPES WITH EXTENDED LENGTHS OF TILE LINE. INCREASING THE FREQUENCY OF TILE DISRUPTION REDUCES THE EXCESSIVE HYDRAULIC "HEAD" PRESSURES AND THE POTENTIAL FOR BLOWOUTS OR SURFACE DISCHARGE IMMEDIATELY UPSTREAM OF THE BLOCKAGE.

3.7.1. FOR LANDSCAPES WITH LESS THAN 3 TO 4 PERCENT AVERAGE SLOPE, SUPPLEMENTAL REMOVAL OR BLOCKAGE SHOULD BE SPACED EVERY ONE TO TWO FEET OF VERTICAL SLOPE OF THE LAND SURFACE.

3.7.2. FOR LANDSCAPES OVER 4 PERCENT SLOPE, SUPPLEMENTAL REMOVAL OR BLOCKAGE SHOULD BE SPACED EVERY TWO TO FOUR FEET OF VERTICAL SLOPE OF THE LANDSCAPE SURFACE.

3.8. ON LARGER SLOPES, RIPPING OR KNIFING THE LANDSCAPE AT A TRAJECTORY THAT IS PERPENDICULAR TO THE SLOPE AND TILE ALIGNMENT MAY BE A SUPPLEMENTAL CONSTRUCTION TECHNIQUE.

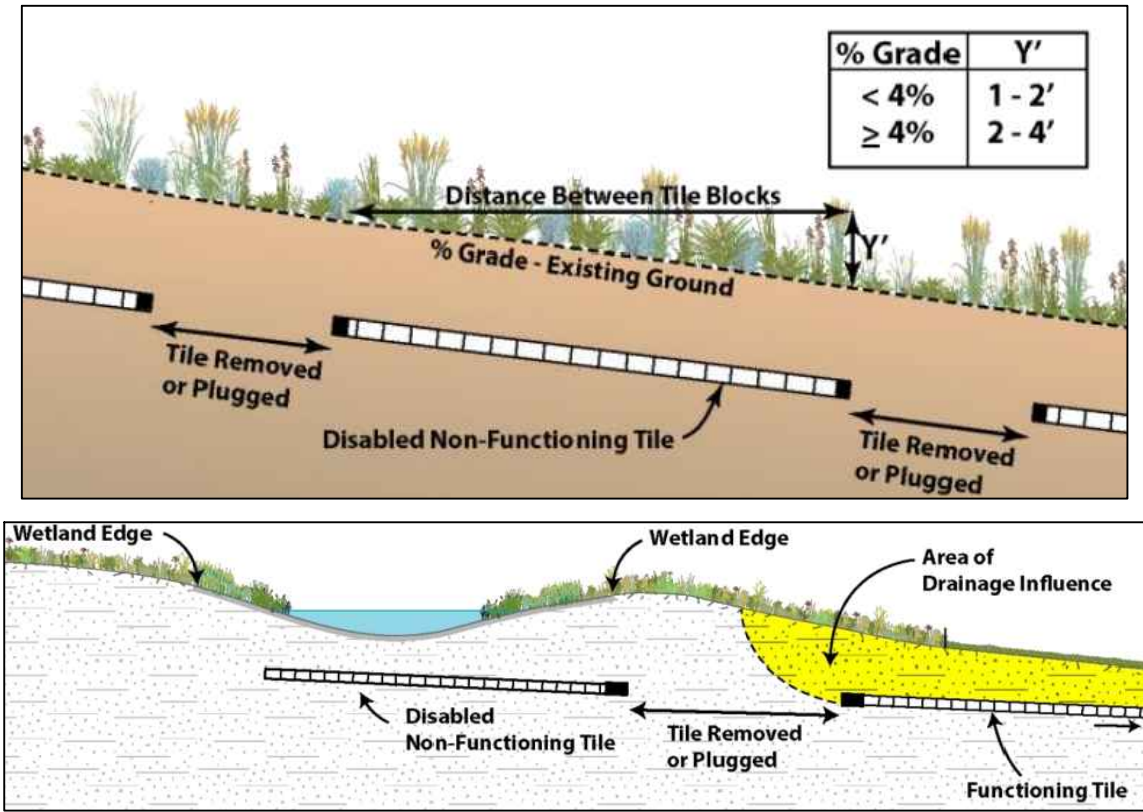
3.8.1. RIPPING OR KNIFING SHOULD ONLY OCCUR IN CONJUNCTION WITH DRAIN TILE REMOVAL OR BLOCKAGE. IT DOES NOT REPLACE THE ACTIVITIES DESCRIBED ABOVE NOR THE LENGTH OR SPACING REQUIREMENTS.
4. PROTECTION OF ADJACENT LANDS:
- 4.1 IN SITUATIONS WHERE PARTIAL DRAIN TILE REMOVAL, TIE IN WITH ADJACENT LANDOWNERS, OR SHARED DRAIN TILE SYSTEMS EXIST ON RECEIVING END:

4.1.1 OFFSET PLANNED TILE BLOCKS BY AT LEAST 25 FEET OR MORE FROM THE PROJECT/PROPERTY BOUNDARY TO PREVENT NEGATIVE OFF-SITE HYDROLOGIC IMPACTS.

4.1.2 REMOVE AND PLUG THE CONVEYING TILE SYSTEM.

4.1.3 USE CAUTION TO NOT DAMAGE THE RECEIVING TILE SYSTEM.

4.2 IN SITUATIONS WHERE CONVEYING DRAIN TILES ENTER THE PROJECT AREA OR PROPERTY, DAYLIGHTING OR OUTLETING OF THE UPSTREAM TILE INTO THE RESTORED WETLAND AREA WILL BE REQUIRED.



NOTE: IMAGES FROM MINNESOTA WETLAND RESTORATION GUIDE, BLOCKING SUBSURFACE DRAINAGE TILE TECHNICAL GUIDANCE DOCUMENT, PUBLICATION DATE OCTOBER 14, 2015

1 DRAIN TILE DISRUPTION DETAILS (IF NEEDED)
12 NOT TO SCALE

<div>GENERAL NOTES</div> <div>SW1. THE CITY OF COLUMBUS CONSTRUCTION AND MATERIALS SPECIFICATIONS (CMSC) 2025 EDITION, INCLUDING ALL REVISIONS AND SUPPLEMENTS THERETO, SHALL GOVERN ALL CONSTRUCTION ITEMS THAT ARE A PART OF THIS PLAN UNLESS OTHERWISE NOTED.</div> <div>SW2. THE CONTRACTOR SHALL NOTIFY THE FOLLOWING DIVISIONS AS APPLICABLE AT LEAST 48 HOURS IN ADVANCE OF THE ANTICIPATED START OF CONSTRUCTION, HOLIDAYS AND WEEKENDS EXCLUDED. WORK SHALL NOT COMMENCE UNTIL A PRE-CONSTRUCTION CONFERENCE IS HELD.</div> <div><div><div>DIVISION OF SEWERAGE AND DRAINAGE</div><div>DIVISION OF WATER</div><div>DIVISION OF FIRE</div><div>DIVISION OF POLICE</div><div>DIVISION OF TRANSPORTATION</div><div>DIVISION OF DESIGN AND CONSTRUCTION (CONSTRUCTION)</div><div>DIVISION OF RECREATION AND PARKS*</div><div>*30 DAYS NOTICE</div></div><div><div>(614) 645-7102</div><div>(614) 645-7788</div><div>(614) 645-8308</div><div>(614) 645-4545</div><div>(614) 645-0433</div><div>(614) 645-0433</div><div>(614) 645-3300</div></div></div> <div>THE CONTRACTOR SHALL REQUEST INSPECTION BY EMAILING THE FOLLOWING INFORMATION TO PRIVATEDEVELOPMENT@COLUMBUS.GOV BY 2PM THE WORKING DAY PRIOR TO YOUR NEEDED INSPECTION:</div> <div><div><div>CONTACT NAME AND NUMBER</div><div>CID AGREEMENT OR CC #, AGR OR DRAWER E #, E# #</div><div>PROJECT NAME</div><div>DATE THE INSPECTION IS NEEDED</div></div><div><div>SW3. THE CONTRACTOR IS RESPONSIBLE FOR THE INVESTIGATION, LOCATION, SUPPORT, PROTECTION AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES WHETHER SHOWN ON THESE PLANS OR NOT. THE CONTRACTOR SHALL EXPOSE ALL UTILITIES OR STRUCTURES PRIOR TO CONSTRUCTION TO VERIFY THE VERTICAL AND HORIZONTAL EFFECT OF THE PROPOSED CONSTRUCTION. THE CONTRACTOR SHALL CALL TOLL FREE, THE OHIO UTILITIES PROTECTION SERVICE (1-800-362-2764) 48 HOURS PRIOR TO CONSTRUCTION AND SHALL NOTIFY ALL UTILITY COMPANIES AT LEAST 48 HOURS TO WORK IN THE VICINITY OF THEIR UNDERGROUND LINES.</div><div>SW4. CONSTRUCTION OF THIS PROJECT MAY NOT BEGIN UNTIL THE EASEMENTS INDICATED HAVE BEEN RECORDED BY THE CITY.</div><div>SW5. THE DEVELOPER/OWNER SHALL, PRIOR TO ANY CONSTRUCTION OPERATION, DEPOSIT WITH THE CITY THE TOTAL ESTIMATED COSTS FOR INSPECTION AND WHERE REQUIRED A REPAVING GUARANTEE.</div><div>SW6. ANY MODIFICATION TO THE WORK AS SHOWN ON THESE DRAWINGS MUST HAVE PRIOR WRITTEN APPROVAL BY THE ADMINISTRATOR, DIVISION OF SEWERAGE AND DRAINAGE.</div><div>SW7. ALL PLASTIC SEWER LINES SHALL BE DEFLECTION TESTED AFTER INSTALLATION IN CONFORMANCE WITH THE REQUIREMENTS OF ITEM 901 OF THE CITY OF COLUMBUS, CONSTRUCTION AND MATERIALS SPECIFICATIONS, CURRENT VERSION.</div><div>SW8. ALL CONCRETE PIPE, STORM AND SANITARY SEWER STRUCTURES WILL BE STAMPED OR HAVE SUCH IDENTIFICATION NOTING THAT SAID PIPE, STORM AND SANITARY STRUCTURES HAVE BEEN INSPECTED BY THE CITY OF COLUMBUS AND MEETS SPECIFICATIONS. PIPE AND STRUCTURES WITHOUT PROPER IDENTIFICATIONS WILL NOT BE PERMITTED FOR INSTALLATION.</div><div>SW9. EROSION AND SEDIMENT CONTROL MEASURES ARE REQUIRED AS PART OF THIS PROJECT. EROSION AND SEDIMENT CONTROL MEASURES SPECIFIC TO THIS SITE MAY BE FOUND ON SHEETS 4 THROUGH 9 OF THIS PLAN. LAND-DISTURBING ACTIVITIES MUST COMPLY WITH ALL PROVISIONS OF THE DIVISION OF SEWERAGE AND DRAINAGE EROSION AND SEDIMENT CONTROL REGULATIONS. ALL LAND-DISTURBING ACTIVITIES SHALL BE SUBJECT TO INSPECTION AND SITE INVESTIGATION BY THE CITY OF COLUMBUS AND/OR THE OHIO EPA.</div><div>SW10. IT IS THE RESPONSIBILITY OF THE SITE OWNER TO NOTIFY THE CITY OF COLUMBUS TWO WORKING DAYS PRIOR TO COMMENCEMENT OF INITIAL SITE LAND DISTURBANCE ON ANY SITE OF ONE OR MORE ACRES. THIS INCLUDES SITE CLEARING, GRUBBING AND ANY EARTH MOVING. PRIMARY EROSION AND SEDIMENT CONTROL PRACTICES ARE MANDATED BY REGULATION TO BE IN PLACE FROM THE BEGINNING OF THE CONSTRUCTION ACTIVITY. PLEASE CONTACT THE STORMWATER AND REGULATORY MANAGEMENT SECTION AT (614) 645-4311. DETAILS OF THIS REQUIREMENT MAY BE FOUND IN THE REGULATION FOR CONTROL OF STORMWATER POLLUTION FROM LAND DISTURBANCE. FAILURE TO COMPLY MAY RESULT IN ENFORCEMENT ACTION.</div><div>SW11. THE CONTRACTOR IS HEREBY NOTIFIED TO CONTACT THE CITY FORESTER OF THE RECREATION AND PARKS DEPARTMENT (614) 645-3350, AT LEAST 24 HOURS PRIOR TO ANY CONSTRUCTION IN OR NEAR THE PARK PROPERTY.</div><div>SW12. THE CONTRACTOR SHALL ENSURE THERE IS A SURVEYOR'S LEVEL AND ROD ON THE PROJECT FOR USE IN PERFORMING GRADE CHECKS WHENEVER SEWER LINE STRUCTURES OR PIPE ARE BEING INSTALLED. THE CONTRACTOR SHALL MAKE THIS EQUIPMENT AVAILABLE FOR USE AND ASSIST THE CITY INSPECTOR IN PERFORMING GRADE CHECKS WHEN REQUESTED BY THE INSPECTOR. THE INSPECTOR WILL MAKE ALL REASONABLE ATTEMPTS TO CONFINE REQUESTS FOR ASSISTANCE IN PERFORMING GRADE CHECKS TO TIME CONVENIENT TO THE CONTRACTOR.</div><div>THESE CHECKS WILL BE PERFORMED TO ENSURE THE FOLLOWING:</div><div><div>1. PROPER PLACEMENT OF EACH STRUCTURE.</div><div>2. PROPER INSTALLATION OF INITIAL RUNS OF PIPE FROM A STRUCTURE.</div><div>3. GRADE, AFTER AN OVERNIGHT OR LONGER SHUTDOWN.</div><div>4. GRADE, AT ANY OTHER TIME THE INSPECTOR HAS REASON TO QUESTION GRADE OF INSTALLATION.</div></div><div>GRADE CHECKS PERFORMED BY THE CITY INSPECTOR IN NO WAY RELIEVE THE CONTRACTOR OF THE ULTIMATE RESPONSIBILITY TO ENSURE CONSTRUCTION TO THE PLAN GRADE.</div><div>SW13. THE AMOUNT OF FILL WITHIN DESIGNATED FLOODPLAIN AREAS ONSITE IS 2,219 C.Y. THE AMOUNT OF FILL COMPENSATED WITHIN DESIGNATED FEMA FLOODPLAIN AREAS ONSITE IS 6,135 C.Y.</div><div>SW14. THE PONDING OR DETENTION AREAS ON THE PLANS ARE A PART OF THE STORM SEWER FACILITIES. THE DEVELOPER/OWNER WILL ASSUME THE RESPONSIBILITY TO MAINTAIN THE PONDING OR DETENTION AREAS SO AS NOT TO REDUCE THE WATER STORAGE AREA. IF THE OWNER DOES NOT MAINTAIN THE PONDING AND DETENTION AREAS, THE PLAN WILL BECOME VOID AND THE CITY WILL PLUG THE SEWER AT THE OUTLET.</div><div>AS A CONDITION OF FINAL ACCEPTANCE, THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR PROVIDING AS-BUILT SURVEYS TO VERIFY THE FINAL GRADES AND ELEVATIONS OF STORMWATER CONTROL FACILITIES. AT THE COMPLETION OF CONSTRUCTION, THE OWNER/DEVELOPER SHALL FIELD SURVEY THE STORMWATER DETENTION FACILITY TO VERIFY THAT THE FACILITIES ARE CONSTRUCTED ACCORDING TO APPROVED PLANS. SHOULD A DISCREPANCY BETWEEN THE PLANS AND CONSTRUCTED GRADES EXIST, THE DESIGN STORAGE OF THE DESIGN STORAGE OF THE DETENTION FACILITY SHALL BE RESTORED BY THE OWNER/DEVELOPER AS DIRECTED BY THE CITY OF COLUMBUS.</div><div>SW15. IMMEDIATELY AFTER PLACEMENT OF ANY CONDUITS, THE CONTRACTOR SHALL CONSTRUCT THE END TREATMENTS REQUIRED BY THE PLANS AT BOTH THE OUTLET AND INLET ENDS. THIS SHALL INCLUDE HEADWALLS, CONCRETE, RIP-RAP, ROCK CHANNEL PROTECTION, SODDING, POURING BOTTOMS, MUDDING LIFT HOLES, ETC.</div><div><div>SAFETY</div><div>THE CONTRACTOR AND SUB-CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL FEDERAL, STATE, AND LOCAL SAFETY REQUIREMENTS, TOGETHER WITH EXERCISING PRECAUTIONS AT ALL TIMES FOR THE PROTECTION OF PERSONS (INCLUDING EMPLOYEES) AND PROPERTY. IT IS ALSO THE SALE RESPONSIBILITY OF THE CONTRACTOR AND SUB-CONTRACTOR TO INITIATE, MAINTAIN, AND SUPERVISE SAFETY REQUIREMENTS, PRECAUTIONS, AND PROGRAMS IN CONNECTION WITH THE WORK.</div></div></div></div>									
<div>EXISTING UTILITIES</div> <div>THE IDENTITY AND LOCATION OF THE EXISTING UNDERGROUND UTILITY FACILITIES KNOWN TO BE LOCATED IN CONSTRUCTION AREA HAVE BEEN SHOWN ON THE PLANS AS ACCURATELY AS PROVIDED BY THE OWNER OF THE UNDERGROUND UTILITY. THE CITY OF COLUMBUS AND/OR DESIGN ENGINEER ASSUMES NO RESPONSIBILITY AS TO THE ACCURACY OF THE LOCATION OR DEPTHS OF THE UNDERGROUND FACILITIES SHOWN ON THE PLANS.</div> <div><div>1. THE CONTRACTOR IS RESPONSIBLE FOR THE INVESTIGATION, LOCATION, SUPPORT, PROTECTION, AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES WHETHER SHOWN ON THESE PLANS OR NOT. THE CONTRACTOR SHALL EXPOSE ALL UTILITIES OR STRUCTURES PRIOR TO CONSTRUCTION TO VERIFY THE VERTICAL AND HORIZONTAL EFFECT ON THE PROPOSED CONSTRUCTION. THE CONTRACTOR SHALL CALL TOLL FREE, THE OHIO UTILITIES PROTECTION SERVICE (1-800-362-2764) 48 HOURS PRIOR TO CONSTRUCTION AND SHALL NOTIFY ALL UTILITY COMPANIES AT LEAST 48 HOURS PRIOR TO WORK IN THE VICINITY OF THEIR UNDERGROUND LINES.</div><div>2. THE FOLLOWING UTILITIES AND OWNERS ARE LOCATED WITHIN THE WORK LIMITS OF THIS PROJECT AND SUBSCRIBE TO THE OHIO UTILITIES PROTECTION SERVICE (OUPS).</div><div><div><div>AEP COLUMBUS SOUTHERN POWER</div><div>PHONE: 614-883-6803</div><div>850 TECH CENTER DR.</div><div>GAHANNA, OHIO 43230</div></div><div><div>FRANKLIN COUNTY ENGINEER</div><div>PHONE: 614-525-3030</div><div>970 DUBLIN ROAD</div><div>COLUMBUS, OHIO 43215</div></div><div><div>CITY OF COLUMBUS</div><div>PHONE: 614-645-7393</div><div>DEPARTMENT OF PUBLIC SERVICE</div><div>TRAFFIC MANAGEMENT</div><div>1820 EAST 17TH AVENUE</div><div>COLUMBUS, OHIO 43219</div></div><div><div>CITY OF COLUMBUS</div><div>PHONE: 614-645-8276</div><div>DEPARTMENT OF PUBLIC UTILITIES</div><div>WATER AND SEWER SERVICES</div><div>910 DUBLIN ROAD</div><div>COLUMBUS, OHIO 43215</div></div></div></div> <div>3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE RELOCATION AND/OR PROTECTION OF ANY UTILITIES AS REQUIRED BY THE PLAN WITH THE OWNER OF THE AFFECTED UTILITY. PRIVATE UTILITY MANHOLES WITHIN THE LIMITS OF THE WORK SHALL BE ADJUSTED TO GRADE BY THE RESPECTIVE UTILITY COMPANY AT THE CONTRACTOR'S EXPENSE.</div> <div>4. UTILITY POLES WITHIN INFLUENCE OF THE CONSTRUCTION OPERATIONS SHALL BE REINFORCED BY THE UTILITY COMPANY PRIOR TO THESE CONSTRUCTION ACTIVITIES. NOTIFICATION OF THE UTILITY COMPANY PRIOR TO CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE COST OF SAID REINFORCEMENT SHALL BE INCLUDED IN THE BID ITEMS ASSOCIATED WITH THAT WORK.</div> <div><div>DUST CONTROL</div><div>1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING DUST CONTROL MEASURES IN ACCORDANCE WITH CMSC ITEM 616. DUST CONTROL OPERATIONS SHALL BE PERFORMED ON A PERIODIC BASIS AND/OR AS DIRECTED BY THE OWNER TO ALLEVIATE OR PREVENT THE DUST NUISANCE ORIGINATING WITHIN THE PROJECT WORK LIMITS. CALCIUM CHLORIDE ON AREAS TO BE SEEDED AND MULCHED WILL NOT BE PERMITTED. THE COST FOR ALL DUST CONTROL MEASURES SHALL BE INCLUDED IN THE PRICE BID FOR THE STORM SEWER IMPROVEMENTS.</div><div>2. THE CONTRACTOR SHALL KEEP STREETS/TRAILS FREE OF DIRT, SEDIMENT, OR MUD ON OR OFF THE PROJECT SITE. THE ENGINEER MAY DIRECT THE CONTRACTOR TO PERFORM STREET/TRAIL CLEANING PERIODICALLY OR ON A REGULAR INTERVAL IF EXCESSIVE AMOUNTS OF DIRT AND MUD ARE LEFT ALONG THE STREET/TRAIL. THIS MAY INCLUDE REMOVAL BY SWEEPING, POWER CLEANING, OR MANUAL METHODS. ALL MANUAL METHODS CONTRACTOR SHALL HAUL OFF DEBRIS/MATERIAL. PUSHING DEBRIS/MATERIAL TO SIDE OF TRAIL IS NOT PERMITTED. THE COST OF THIS WORK SHALL BE INCLUDED IN VARIOUS LINE ITEMS, UNLESS OTHERWISE SPECIFIED.</div></div> <div><div>EROSION AND SEDIMENT CONTROL</div><div>1. EROSION AND SEDIMENT CONTROL MEASURES ARE REQUIRED AS PART OF THIS PROJECT. EROSION AND SEDIMENT CONTROL MEASURES SPECIFIC TO THIS SITE MAY BE FOUND ON SHEETS 4 THROUGH 9 OF THIS PLAN. LAND-DISTURBING ACTIVITIES MUST COMPLY WITH ALL PROVISIONS OF THE DIVISION OF SEWERAGE AND DRAINAGE EROSION AND SEDIMENT CONTROL REGULATIONS. ALL LAND-DISTURBING ACTIVITIES SHALL BE SUBJECT TO INSPECTION AND SITE INVESTIGATION BY THE CITY OF COLUMBUS AND/OR THE OHIO EPA.</div><div>2. ALL EROSION SEDIMENTATION CONTROL PRACTICES ARE SUBJECT TO FIELD MODIFICATIONS AT THE DISCRETION OF THE CITY OF COLUMBUS, PROJECT ENGINEER AND/OR THE OHIO EPA.</div><div>3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE CITY OF COLUMBUS TWO (2) WORKING DAYS PRIOR TO COMMENCEMENT OF INITIAL SITE LAND DISTURBANCE ON ANY SITE OF ONE (1) OR MORE ACRES. THIS INCLUDES SITE CLEARING, GRUBBING, AND ANY EARTH MOVING. PRIMARY EROSION AND SEDIMENT CONTROL PRACTICES ARE MANDATED BY REGULATIONS TO BE IN PLACE FROM THE BEGINNING OF THE CONSTRUCTION ACTIVITY. PLEASE CONTACT THE STORMWATER MANAGEMENT OFFICE AT 614-645-6700 OR BY FAX AT 614-645-1506. DETAILS OF THIS REQUIREMENT MAY BE FOUND IN THE EROSION AND SEDIMENT POLLUTION CONTROL REGULATION (ADOPTED JUNE 1, 1994). FAILURE TO COMPLY MAY RESULT IN ENFORCEMENT ACTION AS DETAILED IN THE COLUMBUS CITY CODES SECTION 1145.80.</div><div>4. THE NPDES PERMIT HOLDER SHALL PROVIDE QUALIFIED PERSONNEL TO CONDUCT SITE INSPECTIONS ENSURING PROPER FUNCTIONALITY OF THE EROSION AND SEDIMENTATION CONTROLS. ALL EROSION AND SEDIMENTATION CONTROLS ARE TO BE INSPECTED ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF A ½ STORM EVENT OR GREATER THAT OCCURS OVER A 24 HOUR PERIOD. RECORDS OF THE SITE INSPECTIONS SHALL BE KEPT BY THE CONTRACTOR AND MADE AVAILABLE TO JURISDICTIONAL AGENCIES IF REQUIRED.</div><div>5. THIS PLAN MUST BE POSTED ON SITE. A COPY OF THE SWPPP PLAN AND THE APPROVED EPA STORMWATER PERMIT (WITH THE SITE-SPECIFIC NOI NUMBER) SHALL BE KEPT ON SITE AT ALL TIMES. REFER TO SHEETS 4 THROUGH 9 FOR MORE DETAILS.</div><div>ON SITE CONTACT:</div><div><div>CITY OF COLUMBUS, RECREATION AND PARKS DEPARTMENT</div><div>1111 EAST BROAD STREET</div><div>COLUMBUS, OH 43206</div><div>KELLY MESSER</div><div>(614) 816-1875</div><div>EMAIL: KNMESSER@COLUMBUS.GOV</div></div><div>THIS SITE IS TRIBUTARY TO ALUM CREEK.</div><div>OEPA GENERAL PERMIT: 46C10346</div><div><div>DEWATERING</div><div>1. DIRECT DISCHARGE OF SEDIMENT LADEN WATER TO THE CITY'S SEWER SYSTEM OR A RECEIVING STREAM IS VIOLATION OF OHIO EPA AND CITY OF COLUMBUS REGULATIONS. THE CONTRACTOR WILL BE HELD LIABLE FOR THE VIOLATION AND SUBSEQUENT FINES</div><div>2. IN THE EVENT THAT DEWATERING IS NECESSARY, THE CONTRACTOR IS REQUIRED TO PREPARE A DEWATERING PLAN THAT WILL DESCRIBE HOW THE DEWATERING OPERATION WILL BE COMPLETED AND HOW THE PUMP EFFLUENT WILL BE MANAGED. THIS PLAN WILL BE PRESENTED TO THE CITY FOR REVIEW PRIOR TO ANY DEWATERING OPERATIONS.</div><div>3. THE CONTRACTOR SHALL BE RESPONSIBLE TO PLACE AND MAINTAIN THE NECESSARY SEDIMENT CONTROL MEASURES TO FILTER THE DEWATERING DISCHARGE. COST FOR THE ABOVE SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS IMPROVEMENT ITEMS.</div></div><div><div>BENCHMARKS</div><div>THE CONTRACTOR SHALL CAREFULLY PRESERVE BENCH MARKS, PROPERTY CORNERS, REFERENCE POINTS, STAKES AND OTHER SURVEY REFERENCE MONUMENTS OR MARKERS. IN CASES OF WILLFUL OR CARELESS DESTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORATIONS. RESETTling OF MARKERS SHALL BE PERFORMED BY AN OHIO PROFESSIONAL SURVEYOR AS APPROVED BY THE CITY ENGINEER.</div><div><div>RESTORATION AND CLEAN UP</div><div>1. INCONVENIENCE TO THE ADJACENT PROPERTY OWNERS AND TO THE TRAVELING PUBLIC SHALL BE KEPT TO AN ABSOLUTE MINIMUM. ALL WORK IS TO CONTINUE ON A UNIFORM BASIS AND ON SCHEDULE, PARTICULARLY THE RESTORATION AND CLEANUP OF DISTURBED AREAS AFTER CONSTRUCTION.</div><div>2. ALL FENCES, SIGNS, DRAINAGE STRUCTURES, VALVES, LANDSCAPING, ETC. REMOVED, DISTURBED OR DAMAGED DURING WORK WITHIN PUBLIC RIGHT-OF-WAYS, EASEMENT AREAS AND/OR UNDER THE PROJECT IMPROVEMENTS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION BY THE CONTRACTOR UNLESS OTHERWISE SPECIFIED. PAYMENT FOR SAME SHALL BE INCLUDED IN THE PRICE BID FOR THE STORM SEWER IMPROVEMENT.</div></div><div><div>PERMITS</div><div>THE CONTRACTOR IS TO OBTAIN ALL NECESSARY PERMITS. AN ORIGINAL PERMIT WITH RED SIGNATURES SHALL BE KEPT ONSITE AT ALL TIMES. WHEN EXCAVATING WITHIN PUBLIC RIGHT OF WAY LIMITS, THE CONTRACTOR SHALL OBTAIN AN EXCAVATION PERMIT FROM THE DEPARTMENT OF PUBLIC SERVICE PERMIT OFFICE BY CALLING (614) 645-7497 BETWEEN THE HOURS OF 7:30AM AND 4:00PM MONDAY THROUGH FRIDAY. FAX: (614) 645-1876. EMAIL: COLSPERMITS@COLUMBUS.GOV</div><div><div>SITE VISIT</div><div>THE CONTRACTOR SHALL PERFORM FIELD RECONNAISSANCE TO BECOME ACQUAINTED WITH THE EXISTING SITE CONDITIONS AND THE POTENTIAL EFFECTS UPON THE WORK SCOPE. ANY PERFORMANCE OF ADDITIONAL SITE SUBSURFACE INVESTIGATIONS (TEST HOLES) SHALL BE COORDINATED IN ADVANCE WITH THE OWNER AS WARRANTED. EXCAVATED MATERIAL HALL BE REPLACED IN A CONTROLLED MANNER TO MINIMIZE IMPACT ON FIELD EARTHWORK OPERATIONS.</div><div><div>CONSTRUCTION LAYOUT</div><div>ALL CONSTRUCTION LAYOUT SERVICES FOR THIS PROJECT SHALL BE PROVIDED AT THE OWNER'S DIRECTION.</div><div><div>RIGHTS-OF-WAY</div><div>IN ADDITION TO DIRECT REQUIREMENTS OF THE CONTRACT SPECIFICATIONS, THE CONTRACTOR SHALL OBSERVE AND CONFORM TO THE SPECIFIC REQUIREMENTS OF ALL RIGHTS-OF-WAY INCLUDING EASEMENTS, COURT ENTRIES, RIGHT-OF-ENTRY OR ACTION FILED IN COURT IN ACCORDANCE WITH THE CODE OF APPLICABLE GOVERNING AGENCY. THE COST OF THE OPERATIONS NECESSARY TO FULFILL SUCH REQUIREMENTS SHALL BE INCLUDED IN THE PRICE BID FOR THE STORM LOWER IMPROVEMENT.</div></div><div><div>STORAGE OF EQUIPMENT AND MATERIALS</div><div>NO MATERIALS OR EQUIPMENT SHALL BE STORED WITHIN THE RIGHT-OF-WAY OR WITHIN ONE HUNDRED (100) FEET OF ANY INTERSECTING STREET OR DRIVEWAY. COMPLIANCE WITH THESE REQUIREMENTS, ALONG WITH ADDITIONAL PROVISIONS OF THE CONTRACT SPECIFICATIONS, SHALL NOT IN ANY WAY RELIEVE THE CONTRACTOR OF HIS LEGAL RESPONSIBILITIES OR LIABILITIES FOR THE SAFETY OF THE PUBLIC.</div></div><div><div>EARTHWORK AND GRADING NOTES</div><div>1. ANY EXISTING STORM INLETS IMPACTED BY THE NEW CONSTRUCTION ACTIVITY WILL NEED THE APPROPRIATE INLET PROTECTION FOR SEDIMENT CONTROL.</div><div>2. ALL EROSION AND SEDIMENTATION CONTROL PRACTICES ARE SUBJECT TO FIELD MODIFICATIONS AT THE DISCRETION OF THE CITY OF COLUMBUS, ENGINEER AND/ OR THE OHIO EPA.</div><div>3. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING EARTHWORK CALCULATIONS AND INCLUDING THE NECESSARY IMPORTING OR EXPORTING OF SOIL IN THE BASE BID.</div><div>4. DETERMINATION OF SITE EARTHWORK EXCAVATION AND EMBANKMENT QUANTITIES SHALL BE IN ACCORDANCE WITH THE FOLLOWING CRITERIA:</div><div>5. STOCKPILING OF TOPSOIL AND/OR EXCESS MATERIAL FOR THESE IMPROVEMENTS OR OFFSITE HAULING OF TOPSOIL/SUITABLE MATERIAL, ETC. SHALL BE COORDINATED WITH THE OWNER. APPROPRIATE MEANS FOR SEDIMENTATION CONTROL OF THE ONSITE STOCKPILES SHALL BE PROVIDED AS MATTER OF GENERAL PRACTICE IN ACCORDANCE WITH THE REQUIRED STANDARDS REFERENCED AS A PART OF THE SEDIMENT AND EROSION DETAILS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASSURE THAT A SUFFICIENT AMOUNT OF TOPSOIL REMAINS SO THAT ANY LANDSCAPING AND LANDSCAPE MOUNDING CAN BE COMPLETED.</div><div>6. SPECIFICATIONS FOR GENERAL SITE EARTHWORK OPERATIONS (PREPARATION OF PAVEMENT SUBGRADER, ETC.) ALONG WITH REQUIREMENT STANDARDS (COMPACTION, PROOF ROLLING, ETC.) SHALL BE IN ACCORDANCE WITH THE SOILS' REPORT. COPIES OF THE SOILS REPORT, IF COMPLETE, SHOULD BE OBTAINED FROM THE OWNER OR OWNER'S REPRESENTATIVE.</div><div>7. ALL EARTHEN FILLS SHALL BE PLACED IN COMPACTED LAYERS NOT TO EXCEED 9 INCHES IN THICKNESS.</div><div>8. FILL MATERIALS SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOD, OR OTHER FOREIGN OR OBJECTIONABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS.</div><div>9. FROZEN MATERIALS OR SOFT, MUCKY, OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED INTO FILLS.</div><div>10. FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES.</div></div><div><div>CONVENIENCE FACILITIES</div><div>THE CONTRACTOR SHALL FURNISH AND MAINTAIN SANITARY CONVENIENCE FACILITIES FOR THE WORKMEN AND INSPECTORS FOR THE DURATION OF THE WORK. COST SHALL BE INCLUDED IN THE PRICE BID FOR THE STORM SEWER AND GRADING IMPROVEMENTS.</div><div><div>FOR DIVISION OF POWER</div><div>1. THE DIVISION OF POWER (DOP) MAY HAVE OVERHEAD AND UNDERGROUND PRIMARY, SECONDARY, AND STREET LIGHTING AT THIS WORK LOCATION. THE CONTRACTOR IS HEREBY REQUIRED TO CONTACT OHIO 811 (PREVIOUSLY OUPS) AT 811 OR 1-800- 362-2764 FORTY-EIGHT HOURS PRIOR TO CONDUCTING ANY ACTIVITY WITHIN THE CONSTRUCTION AREA.</div><div>2. ANY PROJECT, BOTH PUBLIC OR PRIVATE, WITH IMPACTS REQUIRING RELOCATION, SUPPORT, PROTECTION, OR ANY OTHER ACTIVITY CONCERNED WITH THE CITY'S ELECTRICAL FACILITIES IN THE CONSTRUCTION AREA IS TO BE PERFORMED BY THE CONTRACTOR UNDER THE DIRECTION OF DOP PERSONNEL AND AT THE EXPENSE OF THE PROJECT.</div><div>3. UNLESS PREVIOUSLY AUTHORIZED, DOP SHALL MAKE ALL FINAL CONNECTIONS TO DOP'S EXISTING ELECTRICAL SYSTEM AT THE EXPENSE OF THE PROJECT.</div></div><div><div>4. NO PERSON SHALL WORK ON DOP FACILITIES UNLESS THEY HAVE COMPLETED CONTRACTOR SAFETY ORIENTATION WITH DOP. ANY PERSON WORKING ON DOP FACILITIES OR LIVE CONDUCTORS OR CONDUCTORS THAT MAY BECOME LIVE SHALL COMPLY WITH DOP'S CONDUCTOR SAFETY POLICY (TDMIS-1603), HOLD CARD SYSTEM (TDMIS-1604) AND STREET LIGHT LOCK OUT TAG OUT PROCEDURE (MIS-1). PRIOR TO BEGINNING WORK ON DOP FACILITIES, EACH PERSON SLAL CONTACT DOP'S DISPATCH OFFICE AT 614-645-7627 AND PROVIDE THEIR NAME, PHONE NUMBER, LOCATION, DESCRIPTION OF WORK AND CIRCUIT NUMBER. AT COMPLETION OF WORK, EACH PERSON SHALL NOTIFY DOP'S DISPATCH OFFICE.</div><div>5. THE CONTRACTOR SHALL USE MATERIAL AND MAKE REPAIRS TO A CITY OF COLUMBUS STREET LIGHTING SYSTEM BY FOLLOWING DOP'S MATERIAL AND INSTALLATION SPECIFICATIONS' (MIS) AND THE CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS' (CMSC). ANY NEW OR RE-INSTALLED STREET LIGHT SYSTEM SHALL REQUIRE TESTING AS REFERRED TO IN SECTION 1001.18 OF THE CMSC MANUAL. CONTRACTORS WORKING ON STREET LIGHTING SHALL CONFORM TO DOP EXISTING STREET LIGHT LOCKOUT/TAGOUT (LOTO) PROCEDURE, MIS-1, COPIES OF WHICH ARE AVAILABLE FROM DOP AND ON THE CITY WEBSITE.</div><div>6. EMERGENCIES: IF ANY ELECTRIC FACILITY BELONGING TO DOP IS DAMAGED IN ANY MANNER BY THE CONTRACTOR, ITS AGENTS, SERVANTS, OR EMPLOYEES, AND REQUIRES EMERGENCY REPAIRS, THE DOP DISPATCH OFFICE SHOULD BE CONTACTED IMMEDIATELY AT (614) 645-7627. DOP SHALL MAKE ALL NECESSARY REPAIRS, AND THE EXPENSE OF SUCH REPAIRS AND OTHER RELATED COSTS SHALL BE PAID BY THE CONTRACTOR TO THE DIVISION OF POWER, CITY OF COLUMBUS, OHIO.</div></div><div><div>COLUMBUS RECREATION AND PARKS DEPARTMENT STANDARD PLAN NOTE</div><div>PRIOR TO SUBMISSION OF FINAL SITE COMPLIANCE PLAN, ANY ENTITY REQUESTING NON-PARK USE/DEVELOPMENT MUST SUBMIT A NON-PARK USE OF PARKLAND (NPUP) APPLICATION TO CRPD PROPERTY MANAGER TINA MOHN AT TMMOHN@COLUMBUS.GOV TO SECURE A PERMIT TO ENTER CRPD PROPERTY. THE CONTRACTOR SHALL CONTACT COLUMBUS RECREATION & PARKS DEPARTMENT'S (CRPD) INSPECTOR, KEITH MAY, AT KAMAY@COLUMBUS.GOV THIRTY (30) CALENDAR DAYS PRIOR TO ANY WORK ON OR NEAR CRPD PROPERTY. THE CONTRACTOR SHALL SUBMIT A WORK SCHEDULE AND COORDINATING ACCESS WITH CRPD INSPECTOR PRIOR TO ANY WORK ON OR NEAR CRPD PROPERTY. SCHEDULED EVENTS BY CRPD SHALL TAKE PRECEDENCE OVER THE CONTRACTOR'S WORK SCHEDULE, AND THE CONTRACTOR SHALL ADJUST WORK SCHEDULE AS NECESSARY. THE CONTRACTOR SHALL NOT ENTER INTO A CRPD PROPERTY NOR STAGE/STORE ANY MATERIALS OR EQUIPMENT OUTSIDE THEIR WORK LIMITS ON CRPD PROPERTY WITHOUT A PERMIT OR ISSUED BY CRPD. THE PERMIT MUST BE POSTED ONSITE AT ALL TIMES. ANY AND ALL CRPD PARK AREAS DISTURBED BY THE CONTRACTOR DURING THE COURSE OF THEIR WORK ACTIVITIES SHALL BE RESTORED TO CONDITIONS THAT MEET OR EXCEED EXISTING CONDITIONS WITHIN THE TIME FRAMES NOTED IN THE APPROVED SCHEDULE AND SHALL BE TO THE SATISFACTION OF CRPD. UNLESS SPECIFIC PERMISSIONS ARE GRANTED BY CRPD, ACCESS TO, FROM, ON, OVER, UNDER, THROUGH, OR ACROSS CRPD PROPERTY IS NOT GRANTED OR IMPLIED. FAILURE TO HAVE A PERMIT IN PLACE THAT IS CONSISTENT WITH CRPD NPUP POLICY WILL RESULT IN DELAY OF FINAL SITE COMPLIANCE APPROVAL. SIGNATURE BY RECREATION & PARKS/CITY FORESTER.</div></div><div><div>TEMPORARY TRAFFIC CONTROL</div><div>1. ROAD CLOSURES AND BLOCKS ARE NOT FORESEEN AS PART OF THIS PROJECT. INTERMITTENT ROAD BLOCKS WILL BE PERMITTED FOR CONSTRUCTION ACTIVITIES ASSOCIATED WITH MOBILIZATION/DEMOLIBIZATION AND DELIVERY OF MATERIALS. BLOCKS WILL BE KEPT TO THE MINIMUM TIME NEEDED FOR THE CONSTRUCTION ACTIVITY. IF AT ANYTIME THE CONTRACTOR FORESEES NEEDING LONGER CLOSURES OR EXTENDED ROAD BLOCKS, THE CONTRACTOR SHALL GIVE ADVANCE NOTIFICATION (WRITTEN AND VERBAL) TO THE TEMPORARY TRAFFIC CONTROL COORDINATOR AT 614-645-0355 OR 614-645-5845 & THE DIVISION OF REFUSE COLLECTION'S OPERATION MANAGER AT 614-645-1675. WRITTEN NOTIFICATION TO PAVING THE WAY AT PAVINGTHEWAY@MOBPC.ORG OR VERBAL TO (614)233-4200 , PROJECT ENGINEER, AND THE SENIOR SERVICE PLANNER OF COTA AT 614-308-4373 OR FAX 614-275-5933, INFORMING THEM OF THE UPCOMING MAINTENANCE OF TRAFFIC CHANGES ON A WEEKLY BASIS. NOTIFICATION SHALL INCLUDE, BUT NOT BE LIMITED TO, WHAT, WHERE, WHEN, AND HOW. PEDESTRIAN AND VEHICULAR TRAFFIC WILL BE AFFECTED, AND THE TEMPORARY TRAFFIC CONTROL PROCEDURES THE CONTRACTOR IS PLANNING TO USE. THE TYPE OF TRAFFIC CHANGE SHALL DETERMINE THE LENGTH OF ADVANCE NOTIFICATION REQUIRED:</div><div><div>TYPE OF CHANGE</div><div>DETOURS/ROAD CLOSURES</div><div>LANE CLOSURES LASTING 2 WEEKS OR MORE</div><div>LANE CLOSURES OF LESS THAN 2 WEEKS</div><div>LANE CLOSURES OF 2 DAYS OR LESS</div></div><div><div>ADVANCE NOTIFICATION NEEDED</div><div>30-DAY NOTIF. PRIOR TO CLOSURE.</div><div>2-WEEKS</div><div>3-DAYS</div><div>1-DAY</div></div><div>THE COTA SENIOR SERVICE PLANNER SHALL BE CONTACTED 30 DAYS PRIOR TO ANY PLANNED ROAD CLOSURE OR ASSIGNMENT. ROAD CLOSURES OR ANY OTHER UNFORESEEN IMPACTS TO TRAFFIC SHALL BE IMMEDIATELY REPORTED AS THEY OCCUR.</div><div><div>2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND SAFE MOVEMENT OF PEDESTRIANS THROUGH, AROUND, OR DETOURED AWAY FROM THE CONSTRUCTION SITE. TRAFFIC CONTROL FOR PEDESTRIAN MOVEMENT SHALL BE AS PER CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS, CITY OF COLUMBUS STANDARD CONSTRUCTION DRAWINGS, AND FIGURES 6H-28 (TA-28) AND 6H-29 (TA-29) OF PART VI OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. WHEN NOT SHOWN ON A SIGNED PLAN, ALL SIDEWALK DIVERSIONS AND TEMPORARY MID-BLOCK CROSSINGS SHALL BE PRE-APPROVED BY THE PROJECT ENGINEER OR THE TEMPORARY TRAFFIC CONTROL COORDINATOR. ACCESS FOR PEDESTRIAN AND VEHICULAR TRAFFIC TO ALL ADJOINING PROPERTIES SHALL BE MAINTAINED AT ALL TIMES.</div><div>3. MAINTAINING TRAFFIC DURING HOLIDAYS AND SPECIAL EVENTS</div><div>NO WORK SHALL BE PERFORMED AND ALL EXISTING LANES SHALL BE OPEN TO TRAFFIC DURING DESIGNATED HOLIDAYS OR SPECIAL EVENTS INCLUDING THE OHIO STATE FOOTBALL HOME GAMES. THE PERIOD OF TIME THAT THE LANES ARE TO BE OPEN DEPENDS ON THE DAY OF THE WEEK ON WHICH THE HOLIDAY OR EVENT FALLS. CONTACT THE CITY OF COLUMBUS TEMPORARY TRAFFIC CONTROL COORDINATOR, 614-645-5845 OR CELL, 614-332-7472 FOR EVENT DATES, LOCATIONS, AND SCHEDULE. HOLIDAYS WILL CONSIST OF CHRISTMAS, NEW YEARS, FOURTH OF JULY-RED, WHITE AND BOOM FIREWORKS NIGHT (6:00AM-12:00AM), MEMORIAL DAY, BOOM DAY, AND THANKSGIVING. RED, WHITE AND BOOM, FIREWORKS CELEBRATION AND A MINIMUM OF ONE DAY PRIOR TO FIREWORKS NIGHT SHALL REQUIRE ALL TEMPORARY TRAFFIC CONTROL DEVICES TO BE REMOVED FROM THE PROJECT AREA AND PLACE EITHER IN A PRE-DETERMINED LOCATION APPROVED BY THE TEMPORARY TRAFFIC CONTROL COORDINATOR OR COMPLETELY REMOVED FROM THE SITE.</div><div>4. THE CONTRACTOR SHALL CONTACT THE CITY OF COLUMBUS TEMPORARY TRAFFIC CONTROL COORDINATOR FOR ANY ADDITIONAL MOT REQUIREMENTS FOR SPECIAL EVENTS, INCLUDING OSU FOOTBALL HOME GAMES.</div><div>5. THE CONTRACTOR SHALL MAINTAIN ALL PERMANENT TRAFFIC CONTROLS NOT IN CONFLICT WITH THE TEMPORARY TRAFFIC CONTROLS THROUGHOUT THIS PROJECT. PERMANENT TRAFFIC CONTROLS MAY BE TEMPORARILY RELOCATED OR COVERED, AS APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL ASSUME ALL LIABILITY FOR MISSING, DAMAGED, OR IMPROPERLY PLACED SIGNS.</div><div>6. ANY WORK DONE BY THE DEPARTMENT OF PUBLIC SERVICE, INCLUDING INSTALLATION, RELOCATION, REMOVAL AND/OR REPLACEMENT OF TEMPORARY TRAFFIC CONTROL DEVICES AS A RESULT OF WORK DONE BY THE CONTRACTOR OR AS A RESULT OF NEGLIGENCE OF THE CONTRACTOR, SHALL BE AT THE CONTRACTORS' EXPENSE.</div><div>7. ANY OR ALL ACTIVITIES THAT MAY BE ADJACENT TO OR COULD POTENTIALLY DISTURB A CITY BIKE PATH OR HAVE ANY IMPACTS TO NORMAL BIKE PATH FLOW MUST CONTACT THE RECREATION AND PARKS DEPT. GREENWAYS PLANNER AT BRWESTALL@COLUMBUS.GOV OR (614) 645-2441 AND PROPERTY MANAGER, TINA MOHN AT TMMOHN@COLUMBUS.GOV OR (614) 645-3395. PRIOR TO ANY WORK COMMENCING, CONTRACTOR MUST PROVIDE A MINIMUM OF 2 WEEKS ADVANCE COORDINATION TIME FOR CONSTRUCTION SCHEDULING, SIGNAGE, RESTORATION PLANNING, DISTURBANCE AND/OR CLEARING LIMIT REVIEW, UNLESS SPECIFICALLY NOTED ON THESE PLANS, ACCESS OR USE OF ANY CITY BIKE PATH OR AREA ADJACENT TO A BIKE PATH IS NOT GRANTED OR IMPLIED.</div></div><div><div>8. BIKE PATH SHALL REMAIN OPEN AT ALL TIMES. IF A TEMPORARY CLOSURE IS ABSOLUTELY NECESSARY DUE TO CONTRACTOR'S ACTIVITIES, CONTRACTOR SHALL NOTIFY ENGINEER AND PARK RANGER IMMEDIATELY. PLACE SIGNAGE 500-FT IN ADVANCE TO THOSE SHOWN ON THE PLANS OF CLOSURE, AND PROVIDE A TEMPORARY ROAD DETOUR AROUND THE CLOSURE.</div></div></div></div></div></div></div></div></div>									
<div>TOPSOIL</div> <div>1. THE REQUIREMENTS OF CMSC ITEM 653 SHALL GOVERN THE CONSTRUCTION OF THIS WORK. FOUR INCHES OF TOPSOIL SHALL BE PLACED OVER ALL DISTURBED AREAS THAT ARE TO BE SEEDED AND MULCHED. FINAL GRADES SHALL CONFORM TO THOSE SHOWN ON THE PLANS. TOPSOIL FOUND SUITABLE BY THE PROJECT ENGINEER DURING CLEARING AND GRUBBING SHALL BE SEGREGATED FROM THE OTHER EXCAVATED MATERIAL AND STOCKPILED FOR REUSE. PAYMENT FOR SEGREGATING, STOCKPILING AND REUSE OF STOCKPILED TOPSOIL SHALL BE INCLUDED IN THE AMOUNT BID FOR CMSC ITEM 624. IF STOCKPILED TOPSOIL IS INSUFFICIENT, THE ENGINEER MAY DIRECT THE CONTRACTOR TO IMPORT ADDITIONAL TOPSOIL. IMPORTED TOPSOIL SHALL BE PAID FOR UNDER THE UNIT PRICE BID FOR CMSC ITEM 653, TOPSOIL FURNISHED AND PLACED, AS DIRECTED BY THE ENGINEER.</div> <div>2. THE CONTRACTOR IS URGED TO USE COM-MIL COMPOST IN TOPSOIL BLENDS. COM-TIL WILL BE PROVIDED AT NO COST TO THE CONTRACTOR AND MAY BE OBTAINED AT THE SOUTHWESTHELY COMPOSTING FACILITY, 7000 JACKSON PIKE, LOCKBOURNE, OHIO 43137 BETWEEN 7AM AND 3PM, MONDAY THROUGH FRIDAY.</div> <div><div>NON-PERFORMANCE</div><div>IN THE EVENT THAT IT BECOMES NECESSARY FRO THE CITY TO PERFORM WORK OF AN IMMEDIATE NATURE (SUCH AS THE PLACEMENT OF BARRICADES OR REPLACEMENT OF SIGNS OR OTHER WARNING OR PROTECTIVE DEVICES) REQUIRED OF THE CONTRACTOR BY THIS CONTRACT BECAUSE OF FAILURE OR REFUSAL OF THE CONTRACTOR TO PERFORM SUCH WORK, THE CONTRACTOR SHALL REIMBURSE THE CITY AT THE RATE OF 2.5 TIMES THE ACTUAL COST OF LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO PERFORM SUCH WORK. IF THE CONTRACTOR REFUSES OR FAILS WITHIN REASONABLE TIME TO PERFORM OR CAUSE THE PERFORMANCE OF SUCH WORK, THE CITY SHALL BE REIMBURSED BY THE CONTRACTOR IN THE AMOUNT PROVIDED HEREIN BY WAY OF A DEDUCTION FROM THE CONTRACTOR'S NET PAYMENT UNDER THE CONTRACT. REASONABLE TIME FOR ALL STREETS INVOLVED ON THIS CONTRACT IS 1 HOUR FROM THE TIME OF NOTIFICATION BY THE CITY.</div></div> <div><div>STORMWATER FACILITIES</div><div>1. BEFORE ANY WORK IS STARTED ON THE PROJECT AND AGAIN BEFORE FINAL ACCEPTANCE BY THE OWNER, THE ENGINEER AND THE CONTRACTOR SHALL MAKE ANY INSPECTION OF ALL EXISTING SEWERS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCES SHALL BE DETERMINED FROM FIELD OBSERVATIONS THE ENGINEER SHALL KEEP RECORDS OF THE INSPECTION IN WRITING.</div><div>2. ALL EXISTING MANHOLES, CATCH BASINS, DRAINS, SEWERS, AND APPURTENANCES INSPECTED INITIALLY BY THE ABOVE MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY NECESSARY TO PERFORM SUCH WORK. THE ORIGINAL INSPECTION BY THE CONTRACTOR SHALL CORRECT ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTOR'S OPERATIONS TO THE SATISFACTION OF THE ENGINEER. THE ABOVE IS NOT APPLICABLE FOR STRUCTURES TO BE ABANDONED. THE CONTRACTOR SHALL REMOVE DEBRIS, SILT, ETC. FROM THE EXISTING MANHOLES AND CATCH BASINS THAT HAVE BEEN AFFECTED BY CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL MAINTAIN SERVICE IN EXISTING SEWERS DURING CONSTRUCTION.</div></div> <div><div>ILLICIT DISCHARGES</div><div>IF THE CONTRACTOR ENCOUNTERS A PIPE OR CONNECTION TO A STORM SEWER THAT, IN THE ESTIMATE OF THE ENGINEER, MAY BE AN ILLICIT CONNECTION FROM AN ON-SITE SEWAGE DISPOSAL SYSTEM, COLUMBUS PUBLIC HEALTH SHALL BE CONTACTED AT (614) 645-6448 TO DETERMINE WHETHER THE PIPE MAY BE RECONNECTED TO THE CITY'S STORM SEWER SYSTEM.</div></div> <div><div>ARCHEOLOGICAL/HISTORICAL RESOURCES</div><div>1. CULTURAL RESOURCE INVESTIGATIONS IDENTIFIED TWO PREVIOUSLY RECORDED ARCHAEOLOGICAL SITES WITHIN THE PROJECT BOUNDARY (SITES 33FR3502 AND 33FR3503). NEITHER OF THE PREVIOUSLY RECORDED SITES WERE IDENTIFIED DURING A PHASE I ARCHAEOLOGICAL SURVEY OF THE PROJECT AREA CONDUCTED BY STONE ENVIRONMENTAL ENGINEERING & SCIENCE (STONE) FROM OCTOBER 2024 TO JANUARY 2025. ONE NEW, PREVIOUSLY UNRECORDED ARCHAEOLOGICAL SITE (33FR3608) WAS IDENTIFIED ON THE NORTHEASTERN PORTION OF THE PROJECT AREA DURING THE PHASE I INVESTIGATION. THE SITE LACKS INFORMATION TO BE LISTED IN THE NATIONAL REGISTER OF HISTORIC PLACES (NRHP). THEREFORE, NO CONSTRUCTION RESTRICTIONS WERE RECOMMENDED FOR CULTURAL RESOURCES.</div><div>2. IF THE EXCAVATION OPERATIONS ENCOUNTER REMAINS OR PREHISTORIC PEOPLE'S DWELLING SITES OR ARTIFACTS OF HISTORICAL OR ARCHEOLOGICAL SIGNIFICANCE, THE OPERATIONS SHALL BE TEMPORARILY DISCONTINUED IN THIS AREA AND THE CONTRACTOR SHALL NOTIFY THE CITY'S REPRESENTATIVE. THE CITY'S REPRESENTATIVE WILL CONTACT THE OHIO HISTORIC PRESERVATION OFFICE TO DETERMINE THE DISPOSITION OF THE FIND. AFTER CONSULTATION WITH THE OHIO HISTORIC PRESERVATION OFFICE, THE CITY'S REPRESENTATIVE MAY ELECT TO DISCONTINUE THE WORK IN THE AREA INDEFINITELY, RESUME NORMAL EXCAVATION, OR EXCAVATE FOR ARTIFACTS. WHEN DIRECTED BY THE CITY'S REPRESENTATIVE TO EXCAVATE FOR ARTIFACTS, THE CONTRACTOR SHALL EXCAVATE THE SITE IN SUCH A MANNER AS TO PRESERVE THE ARTIFACTS ENCOUNTERED AND SHALL REMOVE THEM FOR DELIVERY TO THE CUSTODY OF THE PROPER AUTHORITIES. THE CONTRACTOR SHALL NOT DISTURB ANY HISTORICAL OR CULTURAL BUILDINGS, FOUNDATION, STRUCTURE, OR MATERIALS ABOVE OR BELOW THE GROUND SURFACE.</div></div> <div><div>NON-RUBBER TIRED VEHICLES</div><div>NON-RUBBER TIRED VEHICLES SHALL NOT BE MOVED ON PUBLIC STREETS, ROADS OR BIKE PATHS. THE TRANSPORTATION DIVISION MAY GRANT EXCEPTION WHERE SHORT DISTANCES AND SPECIAL CIRCUMSTANCES ARE INVOLVED. GRANTING OF EXCEPTIONS MUST BE IN WRITING AND ANY RESULTING DAMAGE MUST BE REPAIRED TO THE SATISFACTION OF THE APPROPRIATE JURISDICTION.</div></div> <div><div>COLUMBUS RECREATION AND PARKS DEPARTMENT GREENWAY TRAIL NOTE</div><div>ALL ACTIVITIES THAT MAY BE ADJACENT TO, MAY POTENTIALLY DISTURB A COLUMBUS RECREATION & PARKS DEPARTMENT (CRPD) TRAIL AND/OR HAVE ANY IMPACTS TO NORMAL TRAIL FLOW REQUIRE COORDINATION WITH CRPD'S NON PARK USE PROGRAM AT CRPD_NPUP@COLUMBUS.GOV. ACCESS OR USE OF GREENWAY TRAILS FOR ANY NON-PARK USE IS NOT GRANTED OR IMPLIED UNLESS A NON PARK USE APPLICATION HAS BEEN SUBMITTED, APPROVED, AND HAS A PERMIT ISSUED. ONCE APPROVED, THE CONTRACTOR SHALL CONTACT THE NPUP POINT OF CONTACT THIRTY (30) CALENDAR DAYS PRIOR TO ANY WORK COMMENCING FOR ONSITE COORDINATION, ONSITE MEETING, SIGNAGE, TRAFFIC CONTROL DETOUR PLAN, RESTORATION PLAN, DISTURBANCE AND/OR CLEARING LIMIT REVIEW. THE CONTRACTOR SHALL SUBMIT A VEHICLE/EQUIPMENT TRAFFIC PLAN INCLUDING IDENTIFICATION NUMBERS, TYPE OF VEHICLE/EQUIPMENT, AND WEIGHT OF VEHICLE/EQUIPMENT TO BE USED PRIOR TO THE START OF WORK. ONLY VEHICLES/EQUIPMENT APPROVED BY CRPD IN WRITING SHALL BE PERMITTED ON THE TRAIL. ADDITIONALLY, EXISTING TRAIL CONDITION MUST BE DOCUMENTED THROUGH PICTURES OR VIDEO BEFORE WORK BEGINS. IF THE TRAIL IS DAMAGED BY CONTRACTOR USE THE CONTRACTOR MUST REPAIR THE TRAIL BACK TO CONDITIONS THAT MEET OR EXCEED EXISTING CONDITIONS.</div></div>									
<div>PROJECT TITLE: PRIVATE STORM & GRADING FOR THREE CREEKS WETLAND RESTORATION PROJECT</div> <div>3086 WATKINS ROAD</div> <div>CITY OF COLUMBUS, OHIO</div> <div>GENERAL NOTES</div> <div>CITY OF COLUMBUS</div> <div>RECREATION AND PARKS DEPT.</div> <div>DIVISION OF SEWERAGE AND DRAINAGE</div> <div>DIVISION USE ONLY</div> <div><div><div>DIVISION USE ONLY</div><div>OWNER</div><div>CONTRACTOR</div><div>INSPECTOR</div><div>AGREEMENT</div><div>COMPLETED</div><div>RPD</div><div>CKD</div><div>CLD</div><div>CON. DR.</div></div><div>SCALE: N/A</div><div>SHEET: 2 OF 16</div><div>CONTRACT DRAWING NO.</div><div>RECORD PLAN NO.</div></div> <div>CC-20633</div>									

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INDIANA BAT HABITAT PROTECTION

FOR ANY TREES DESIGNATED FOR REMOVAL THAT MAY BE POTENTIAL BAT HABITAT AREAS, REMOVAL SHALL ONLY OCCUR FROM OCTOBER 1ST TO MARCH 31ST. IF THE CONTRACTOR PREFERS TO REMOVE THE TREES OUTSIDE OF THIS TIME FRAME, A SURVEY MUST BE CONDUCTED ACCORDING TO THE UNITED STATES FISH AND WILDLIFE SERVICE AND BY A BIOLOGIST WITH ALL REQUIRED FEDERAL AND/OR STATE COLLECTION PERMITS TO DETERMINE THE PRESENCE OF ANY INDIANA BATS. THE DATA COLLECTED DURING THE SURVEY MUST BE PROVIDED TO THE CITY FORESTRY SECTION AT (614) 724-1276 ACCORDING TO THE CONDITIONS OF THE PERMIT AND ANY REGULATORY AUTHORITY REQUIREMENTS. IF NO BATS ARE PRESENT THE TREE SHALL BE REMOVED WITHIN 24 HOURS OF THE SURVEY BEING CONDUCTED. IF BATS ARE FOUND TO BE PRESENT, THEN TREE SHALL REMAIN AND A PROTECTION AND ENHANCEMENT PLAN WILL BE REQUIRED.

PUBLIC TREE PRESERVATION NOTE

ALL PUBLIC TREES AND THE GROUND BELOW THEIR RESPECTIVE DRIP LINES, WHETHER SHOWN OR NOT SHOWN ON THE PLANS, ARE TO BE PRESERVED UNLESS APPROVAL TO REMOVE OR PRUNE IS GIVEN IN WRITING BY COLUMBUS RECREATION & PARKS (CRPD)/CITY FORESTER OR IF THE PUBLIC TREE REMOVAL HAS BEEN DESIGNATED ON THE APPROVED FINAL SITE COMPLIANCE PLAN. TREES APPROVED FOR REMOVAL BY CRPD/CITY FORESTER SHALL BE PAID FOR UNDER CWSO ITEM 201, CLEARING AND GRUBBING, UNLESS OTHERWISE PROVIDED FOR BY UNIT PRICE BID UNDER ITEM 201. THE CONTRACTOR SHALL PROTECT TREES NEAR OR ADJACENT TO THE WORK AREA TO AVOID DAMAGE TO ALL TREES THAT ARE TO REMAIN. ALL TREES REMOVED SHALL INCLUDE STUMP REMOVAL TO EIGHTEEN (18) INCHES BELOW GRADE, EXCEPT TREES. ALL CLEARING AND GRUBBING PERFORMED ON CRPD PROPERTY, RIGHT-OF-WAY, OR ANY CITY OF COLUMBUS PROPERTY SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR. HEAVY EQUIPMENT WILL NOT BE ALLOWED TO COMPACT THE SOIL OVER THE ROOT ZONE OF EXISTING PUBLIC TREES. RESTRICTED EQUIPMENT ACCESS ROUTES SHALL BE COORDINATED WITH CRPD INSPECTOR, KEITH MAY, AT KAMAY@COLUMBUS.GOV BEFORE WORK IS BEGINS. TEMPORARY PAVING MATERIALS, SUCH AS PLYWOOD, LUMBER OR RUBBER MATTING, SPREAD OVER THE ROOT ZONE OF PUBLIC TREES MAY BE REQUIRED TO PREVENT COMPACTION. IF A PUBLIC TREE NEEDS TO BE REMOVED, THE CONTRACTOR SHALL PROVIDE A TREE MITIGATION PLAN TO THE CITY FORESTRY SECTION [(614) 724-1276] AND REFER TO THE CRPD TREE MITIGATION PLAN GUIDANCE (LATEST EDITION), ANSI A300 AND/OR CITY OF COLUMBUS EXECUTIVE ORDER 2015-01 FOR TREE REPLACEMENT STANDARDS.

PUBLIC TREE PROTECTION NOTE

ALL PUBLIC TREES AND THE GROUND IN THE CRITICAL ROOT ZONE, WHETHER SHOWN OR NOT SHOWN ON THE PLANS, ARE TO BE PROTECTED UNLESS A PERMIT TO REMOVE IS GIVEN BY COLUMBUS RECREATION & PARKS (CRPD) FORESTRY. THE CONTRACTOR SHALL PROTECT TREES NEAR OR ADJACENT TO THE WORK AREA TO AVOID DAMAGE TO ALL TREES THAT ARE TO REMAIN. HEAVY EQUIPMENT WILL NOT BE ALLOWED TO COMPACT THE SOIL OVER THE CRITICAL ROOT ZONE OF EXISTING PUBLIC TREES. RESTRICTED EQUIPMENT ACCESS ROUTES SHALL BE COORDINATED WITH CRPD FORESTRY AT FORESTRY@COLUMBUS.GOV BEFORE WORK BEGINS. TEMPORARY PAVING MATERIALS, SUCH AS PLYWOOD, LUMBER OR RUBBER MATTING, SPREAD OVER THE ROOT ZONE OF PUBLIC TREES MAY BE REQUIRED TO PREVENT COMPACTION. CONSTRUCTION MATERIALS, EXCAVATION DEBRIS, FUEL, EQUIPMENT, OR VEHICLES ARE NOT TO BE STOCKPILED, STORED, DUMPED, OR PARKED WITHIN THE CRITICAL ROOT ZONE OF PUBLIC TREES. ALL TREES MUST BE PROTECTED AGAINST INJURY OR DAMAGE TO BRANCHES, TRUNKS, OR ROOTS FROM CONSTRUCTION AND EXCAVATION, AS DESCRIBED IN THE CRPD TREE TECHNICAL MANUAL. IF THERE IS A QUESTION REGARDING TREE PROTECTION NEEDS, THE CONTRACTOR MUST CONTACT THE CITY FORESTRY SECTION AT FORESTRY@COLUMBUS.GOV.

PUBLIC TREE IMPACT NOTE

ANY WORK ON OR WITHIN THE CRITICAL ROOT ZONE OF A PUBLIC TREE IS CONSIDERED AN IMPACT TO THE PUBLIC TREE. A PUBLIC TREE PLAN AND PERMIT FROM COLUMBUS RECREATION & PARKS FORESTRY IS REQUIRED FOR ANY PLAN WITH PUBLIC TREES IN THE WORK LIMITS. THE PUBLIC TREE PLAN SHALL DENOTE ALL PUBLIC TREES IN THE PROJECT'S WORK LIMITS. TREE INFORMATION SHALL CONFORM TO THE COLUMBUS TREE TECHNICAL MANUAL REQUIREMENTS AND BE PROVIDED BY A NATURAL RESOURCE PROFESSIONAL. FAILURE TO CONTACT THE CITY FORESTRY REPRESENTATIVE IN ADVANCE OF CONSTRUCTION WILL RESULT IN THE CONTRACTOR REIMBURSING FORESTRY FOR THE COST OF ANY AND ALL DAMAGE TO PUBLIC TREES.

PUBLIC TREE REMOVAL AND MITIGATION NOTE

NO PUBLIC TREE REMOVAL SHALL BE ATTEMPTED BY CONSTRUCTION PERSONNEL OR EQUIPMENT, ONLY UNDER THE SUPERVISION OF A CERTIFIED ARBORIST. ALL TREES REMOVED SHALL INCLUDE STUMP REMOVAL GROUND TO 18 INCHES; IF THE REMOVED TREE IS WITHIN 36" OF A PROTECTED TREE THE STUMP SHALL ONLY BE GROUND TO 2" DEPTH. ALL WOOD DEBRIS ON CITY OF COLUMBUS PROPERTY SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR BY THE END OF EACH WORK DAY. TREES APPROVED FOR REMOVAL BY CRPD FORESTRY SHALL BE MITIGATED IN ACCORDANCE WITH THE COLUMBUS TREE TECHNICAL MANUAL AND COLUMBUS CITY CODES CHAPTER 912.

OAK WILT NOTE

TO PREVENT THE SPREAD OF OAK WILT, A FUNGAL DISEASE, OAK TREE SHALL ONLY BE PRUNED FROM NOVEMBER1 TO MARCH 1.

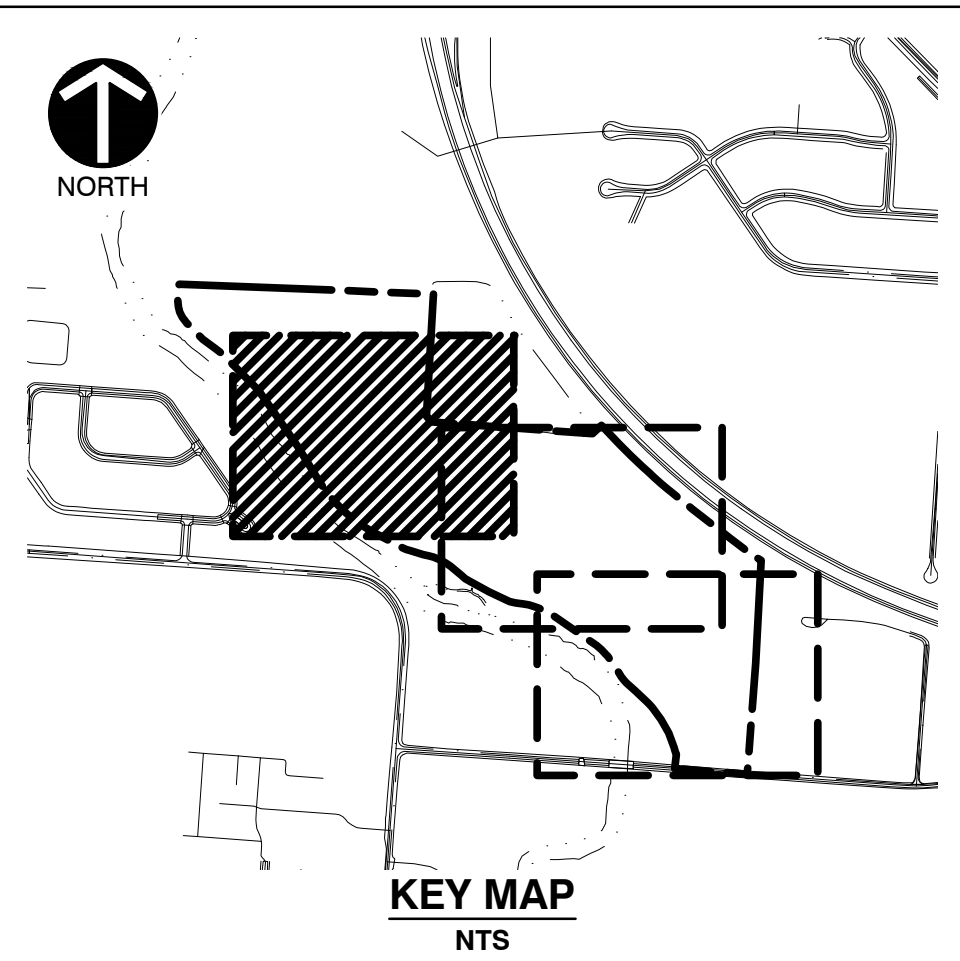
FORESTRY PERMIT NOTE


ANY WORK ON OR WITHIN THE CRITICAL ROOT ZONE OF A PUBLIC TREE REQUIRES A FORESTRY PERMIT. ALL APPLICABLE FEES MUST BE PAID PRIOR TO PERMIT ISSUANCE. REFER TO THE CRPD TREE TECHNICAL MANUAL FOR TREE REMOVAL, PRUNING, PROTECTION, AND MITIGATION STANDARDS.

THE FULL PUBLIC TREE PLAN WILL BE INCLUDED IN THE FINAL SITE COMPLIANCE PLAN SUBMITTAL.

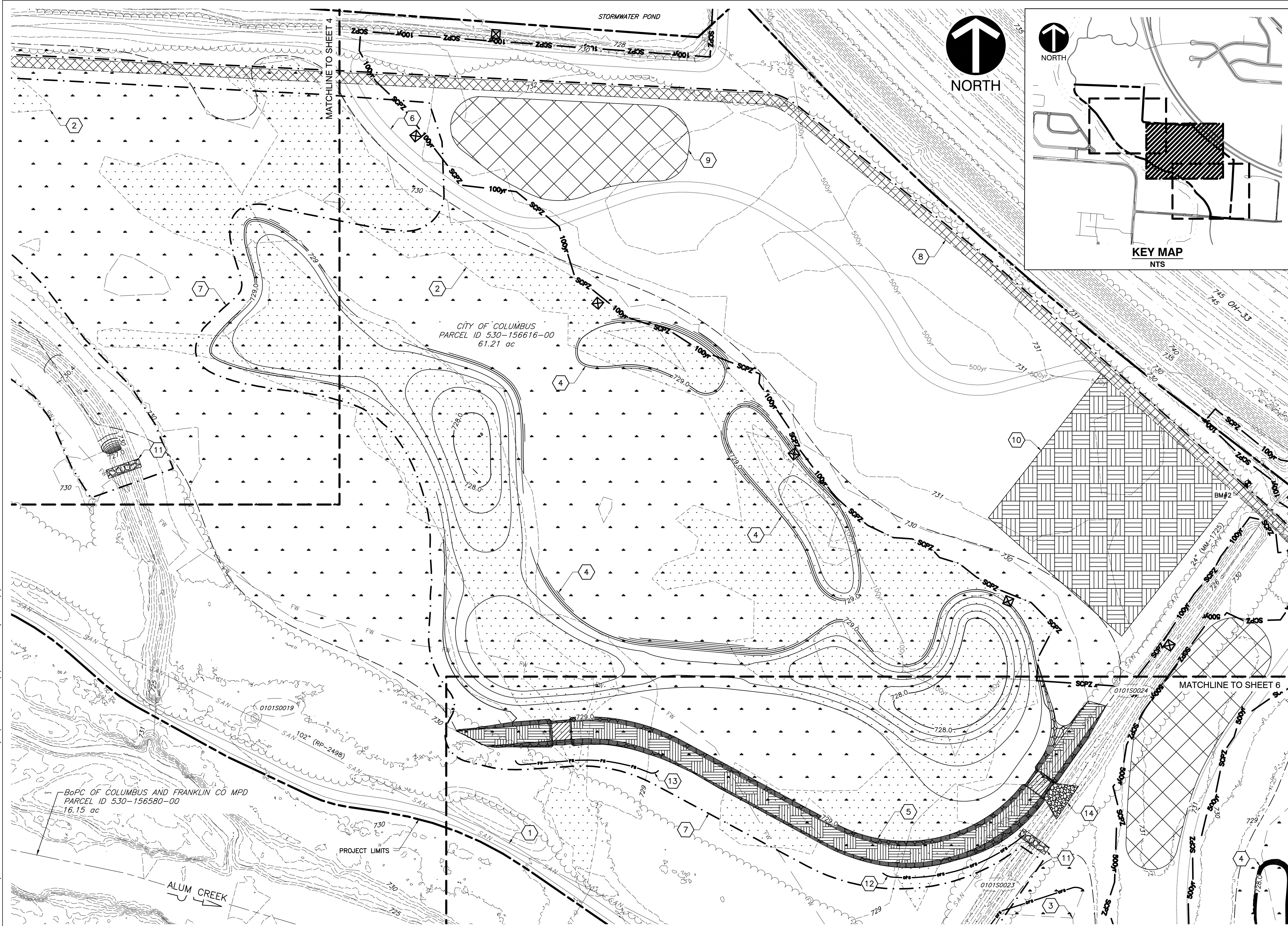
EASEMENT REFERENCE				REVISIONS			PLAN PREPARED BY: <div> Environmental Consultants, Inc. 250 Old Wilson Bridge Road, Suite 250 - Worthington, OH 43085 Ph: 614.540.6633 · 888.598.6808 · Fax: 614.540.6638 www.cecinc.com</div>	PROJECT TITLE: PRIVATE STORM & GRADING FOR THREE CREEKS WETLAND RESTORATION PROJECT 3086 WATKINS ROAD CITY OF COLUMBUS, OHIO GENERAL NOTES				CITY OF COLUMBUS RECREATION AND PARKS DEPT. DIVISION OF SEWERAGE AND DRAINAGE DIVISION USE ONLY			
CITY NO.	COUNTY RECORDER		GRANTOR	NO.	DESCRIPTION	APPROVAL/DATE		DIVISION USE ONLY		OWNER		SCALE: N/A	SHEET: 3 OF 16		
	VOL.	PAGE								CONTRACTOR					
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P:\340-0001\340-8791-CADD\DWG\ECOL_CC_PLAN\40879-EC01-COVERSHEET.DWG[1 GENERAL NOTES] LS(LBR/LEGEMEIER - 8/4/2025 6:08:22 PM) - LP- 8/4/2025 6:16:41 PM



- SCALE IN FEET
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- 0 60 120

PA\340-000\340-879\CAD\DWG\EC03-CC PLAN\40679-EC03-SWPPP PLANDWG\6 CENTRAL STORMWATER POLLUTION PREVENTION PLAN\LS\BRIEFGEEBER - 8/4/2025 6:20:58 PM) - LP: 8/4/2025 6:38:30 PM



KEY NOTE ITEMS [#]

- EXISTING ALUM CREEK MULTI-USE TRAIL TO REMAIN.
- EXISTING CATEGORY 1 WETLAND.
- DRAIN TILE TO BE REMOVED/DISRUPTED.
- PROPOSED WETLAND DEPRESSION.
- PROPOSED 820-LF BERM, TOP ELEV 730.0-FT AMSL, SPILLWAY ELEV 729.5-FT AMSL. SEE SHEET 14, DETAIL 2.
- PROPOSED MOWED PATH. ON GRADE.
- PROPOSED LIMITS OF DISTURBANCE. SHOWN AT 2-FT OFFSET.
- PROPOSED PRIMARY ACCESS ROUTE.
- PROPOSED SOIL STOCKPILE AREA. SEE SHEET 9, DETAIL 3.
- EXISTING ALUM CREEK TRUNK SOUTH SANITARY SEWER REHABILITATION PROJECT STOCKPILE AREA TO BE USED FOR PROJECT MATERIAL STAGING AREA (PROJECT NO. 650725-100004).
- PROPOSED ROCK CHECK DAM. SEE SHEET 9, DETAIL 4.
- PROPOSED COMPOST FILTER SOCK (CFS). SEE SHEET 8, DETAIL 1.
- PROPOSED COMPOST SOCK SEDIMENT TRAP. SEE SHEET 8, DETAIL 2.
- PROPOSED ROCK CHANNEL PROTECTION.

LEGEND

	PROPOSED PROJECT LIMITS
	EXISTING CONTOUR (MAJOR)
	EXISTING CONTOUR (MINOR)
	EXISTING CANOPY DRIP LINE (APPROX.)
	EXISTING OVERHEAD ELECTRICAL LINE
	EXISTING ELECTRICAL POLE
	EXISTING UNDERGROUND SEWER LINE
	EXISTING SANITARY SEWER MANHOLE
	EXISTING STORM SEWER LINE
	EXISTING STORM SEWER MANHOLE
	EXISTING DITCH
	EXISTING FENCE
	EXISTING ROAD
	EXISTING GRAVEL PARKING
	EXISTING PAVED PATH
	EXISTING PARCEL BOUNDARY
	EXISTING RIGHT-OF-WAY
	EXISTING FLOODWAY (ZONE AE)
	EXISTING STREAM CORRIDOR PROTECTION ZONE
	EXISTING 100-YR FLOODPLAIN (ZONE AE)
	EXISTING 500-YR FLOODPLAIN (ZONE X)
	EXISTING WETLAND
	EXISTING WATERBODY
	EXISTING DRAIN TILE LOCATION (APPROX.)
	PROPOSED CONTOUR (MAJOR)
	PROPOSED CONTOUR (MINOR)
	PROPOSED WALKING TRAIL
	PROPOSED EARTHEN BERM*
	PROPOSED WETLAND RESTORATION AREA
	PROPOSED LIMITS OF DISTURBANCE
	PROPOSED PRIMARY ACCESS ROUTE
	PROPOSED SOIL STOCKPILE
	PROPOSED MATERIAL STAGING AREA
	PROPOSED ROCK CHECK DAM*
	PROPOSED COMPOST FILTER SOCK
	PROPOSED COMPOST SOCK SEDIMENT TRAP
	PROPOSED ROCK CHANNEL PROTECTION*

*NOT TO SCALE

GENERAL NOTES

- ANY EXISTING STORM INLETS IMPACTED BY THE NEW CONSTRUCTION ACTIVITY WILL NEED THE APPROPRIATE INLET PROTECTION FOR SEDIMENT CONTROL.
- FOR STABILIZED SLOPE 3:1 OR GREATER, USE WITH STRAW BLANKETS, JUTTE MATTING, BLANKETS OR SIMILAR GEO-TEXTILE.
- ALL EROSION AND SEDIMENT CONTROL PRACTICES ARE SUBJECT TO FIELD MODIFICATIONS AT THE DISCRETION OF THE CITY OF COLUMBUS AND/OR THE OHIO EPA.
- CONTOURS FOR EXISTING TOPOGRAPHY ARE REPRESENTED IN 1.0' INTERVALS. CONTOURS FOR PROPOSED GRADING ARE REPRESENTED IN 0.2' INTERVALS FOR MICROTOPOGRAPHY.
- UPPER BANK ABOVE NORMAL WATER ELEVATION SHOULD BE STABILIZED QUICKLY WITH STRAW BLANKETS, JUTTE MATTING, OR SIMILAR GEO-TEXTILE.

SCALE IN FEET
0 60 120

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AGREEMENT			COMPLETED	CONTRACT DRAWING NO. CC-20633	RECORD PLAN NO.												
RPD	CKD	CLD				CON. DR.											

PROJECT TITLE: PRIVATE STORM & GRADING FOR THREE CREEKS WETLAND RESTORATION PROJECT 3086 WATKINS ROAD CITY OF COLUMBUS, OHIO SOUTHEASTERN STORMWATER POLLUTION PREVENTION PLAN						CITY OF COLUMBUS RECREATION AND PARKS DEPT. DIVISION OF SEWERAGE AND DRAINAGE DIVISION USE ONLY	
DIVISION USE ONLY				OWNER			
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				AGREEMENT		COMPLETED	
				RPD	CKD	CLD	CON. DR.

SCALE: 1"=60'	SHEET: 6 OF 16
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AREA REQUIRING PERMANENT STABILIZATION	TIME FRAME TO APPLY EROSION CONTROLS
ANY AREAS THAT WILL LIE DORMANT FOR ONE YEAR OR MORE	WITHIN SEVEN DAYS OF THE MOST RECENT DISTURBANCE
ANY AREAS WITHIN 50 FEET OF A SURFACE WATER OF THE STATE AND AT FINAL GRADE	WITHIN TWO DAYS OF REACHING FINAL GRADE
ANY OTHER AREAS AT FINAL GRADE	WITHIN SEVEN DAYS OF REACHING FINAL GRADE WITHIN THAT AREA

AREA REQUIRING TEMPORARY STABILIZATION	TIME FRAME TO APPLY EROSION CONTROLS
ANY DISTURBED AREAS WITHIN 50 FEET OF A SURFACE WATER OF THE STATE AND NOT AT FINAL GRADE	WITHIN TWO DAYS OF THE MOST RECENT DISTURBANCE IF THE AREA WILL REMAIN IDLE FOR MORE THAN 14 DAYS
ALL CONSTRUCTION ACTIVITIES, ANY DISTURBED AREAS THAT WILL BE DORMANT FOR MORE THAN 14 DAYS BUT LESS THAN ONE YEAR, AND NOT WITHIN 50 FEET OF A SURFACE WATER OF THE STATE	WITHIN SEVEN DAYS OF THE MOST RECENT DISTURBANCE WITHIN THE AREA
	FOR RESIDENTIAL SUBDIVISIONS, DISTURBED AREAS MUST BE STABILIZED AT LEAST SEVEN DAYS PRIOR TO TRANSFER OF PERMIT COVERAGE FOR THE INDIVIDUAL LOT(S).
DISTURBED AREAS THAT WILL BE IDLE OVER WINTER	PRIOR TO ONSET OF WINTER WEATHER

TEMPORARY SEEDING SPECIES SELECTION

SEEDING DATES	SPECIES	LB./1,000 ² FT	LB. PER AC.
MARCH 1 TO AUGUST 15	OATS	3	128 LB. (4 BUSHEL)
	TALL FESCUE	1	40 LB.
	ANNUAL RYEGRASS	1	40 LB.
	PERENNIAL RYEGRASS	1	40 LB.
	TALL FESCUE	1	40 LB.
	ANNUAL RYEGRASS	1	40 LB.
	ANNUAL RYEGRASS	1.25	55 LB.
	PERENNIAL RYEGRASS	3.25	142 LB.
	CREeping RED FESCUE	0.4	17 LB.
	KENTUCKY BLUEGRASS	0.4	17 LB.
AUGUST 16 TO NOVEMBER 1	OATS	3	128 LB. (3 BUSHEL)
	TALL FESCUE	1	40 LB.
	ANNUAL RYEGRASS	1	40 LB.
	RYE	3	112 LB. (2 BUSHEL)
	TALL FESCUE	1	40 LB.
	ANNUAL RYEGRASS	1	40 LB.
	WHEAT	3	120 LB. (2 BUSHEL)
	TALL FESCUE	1	40 LB.
	ANNUAL RYEGRASS	1	40 LB.
	PERENNIAL RYE	1	40 LB.
NOV. 1 TO SPRING SEEDING	TALL FESCUE	1	40 LB.
	ANNUAL RYEGRASS	1	40 LB.
	ANNUAL RYEGRASS	1.25	40 LB.
	PERENNIAL RYEGRASS	3.25	40 LB.
	CREeping RED FESCUE	0.4	40 LB.
	KENTUCKY BLUEGRASS	0.4	
NOTE: OTHER APPROVED SEED SPECIES MAY BE SUBSTITUTED.			

SEEDING RATE		NOTES	
LB/1000 SQ. FT.			
GENERAL USE			
CREEPING RED FESCUE	20-40	1/2-1	
DOMESTIC RYEGRASS	10-20	1/4-1/2	
KENTUCKY BLUEGRASS	10-20	1/4-1/2	
TALL FESCUE	40	1	
DWARF FESCUE	40	1	
STEEP BANKS OR CUT SLOPES			
TALL FESCUE	40	1	
CROWN VETCH	10	1/4	DO NOT SEED LATER THAN AUGUST
TALL FESCUE	20	1/4	
FLAT PEA	20	1/2	DO NOT SEED LATER THAN AUGUST
TALL FESCUE	20	1/2	
ROAD DITCHES AND SWALES			
TALL FESCUE	40	1	
DWARF FESCUE	90	2 1/4	
KENTUCKY BLUEGRASS	5		
LAWNS			
KENTUCKY BLUEGRASS	60	1 1/2	
PERENNIAL RYEGRASS	60	1 1/2	
KENTUCKY BLUEGRASS	60	1 1/2	FOR SHADED AREAS
CREEPING RED FESCUE	60	1 1/2	
NOTE: OTHER APPROVED SEED SPECIES MAY BE SUBSTITUTED.			

MATERIAL TYPE	3 MIL HDPE	5 MIL HDPE	5 MIL HDPE	MULTI-FILAMENT POLYPROPYLENE (MFPP)	HEAVY DUTY MULTI-FILAMENT POLYPROPYLENE (HDMFPP)
MATERIAL CHARACTERISTICS	PHOTO-DEGRADABLE	PHOTO-DEGRADABLE	BIO-DEGRADABLE	PHOTO-DEGRADABLE	PHOTO-DEGRADABLE
SOCK DIAMETERS	12"	12"	12"	12"	12"
	18"	18"	18"	18"	18"
		24"	24"	24"	24"
		32"	32"	32"	32"
MESH OPENING	3/8"	3/8"	3/8"	3/8"	1/8"
TENSILE STRENGTH		26 PSI	26 PSI	44 PSI	202 PSI
ULTRAVIOLET STABILITY % ORIGINAL STRENGTH (ASTM G-155)	23% AT 1000 HR	23% AT 1000 HR		100% AT 1000 HR	100% AT 1000 HR
MINIMUM FUNCTIONAL LONGEVITY	6 MONTHS	9 MONTHS	6 MONTHS	1 YEAR	2 YEARS

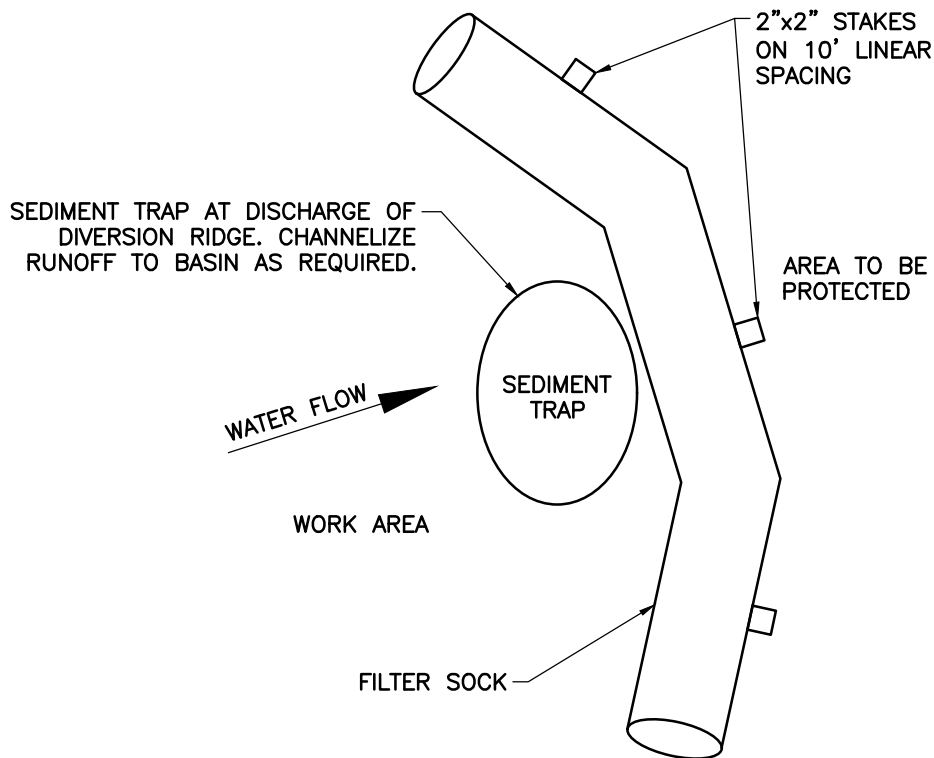
INNER CONTAINMENT NETTING	HDPE BIAxIAL NET
	CONTINUOUSLY WOUND
	FUSION-WELDED JUNCTURES
	3/4" X 3/4" MAX. APERTURE SIZE
OUTER FILTRATION MESH	COMPOSITE POLYPROPYLENE FABRIC (WOVEN LAYER AND NON-WOVEN FLEECE MECHANICALLY FUSED VIA NEEDLE PUNCH)
	3/16" MAX. APERTURE SIZE
ORGANIC MATTER CONTENT	25%-100% (DRY WEIGHT BASIS)
ORGANIC PORTION	FIBROUS AND ELONGATED
pH	5.5-8.5
MOISTURE CONTENT	30%-60%
PARTICLE SIZE	30%-50% PASS THROUGH 3/8" SIEVE
SOLUBLE SALT CONCENTRATION	5.0 dS/M (MMHOS/CM) MAXIMUM

Diagram illustrating a blow-off filter media bed. A vertical pipe is shown passing through the media bed. The area to be protected is indicated by a vertical line and the text "AREA TO BE PROTECTED". The media bed is labeled "BLOWN/PLACED FILTER MEDIA (OPTIONAL)". The work area is labeled "WORK AREA". A note points to the top of the pipe: "SEE NOTE NO. 1". A 90-degree angle is indicated between the pipe and the media bed surface.

Diagram illustrating the installation of a curved filter sock. The diagram shows a curved section of a filter sock (shaded area) placed over a work area. The filter sock is supported by 2" x 2" x 36" wooden stakes placed 10' O.C. (On Center). The area to be protected is labeled "AREA TO BE PROTECTED". The work area is labeled "WORK AREA". The water flow direction is indicated by an arrow labeled "WATER FLOW". The filter sock is labeled "FILTER SOCK". The word "PLAN" is written below the diagram.

COMPOST FILTER SOCK
NOT TO SCALE

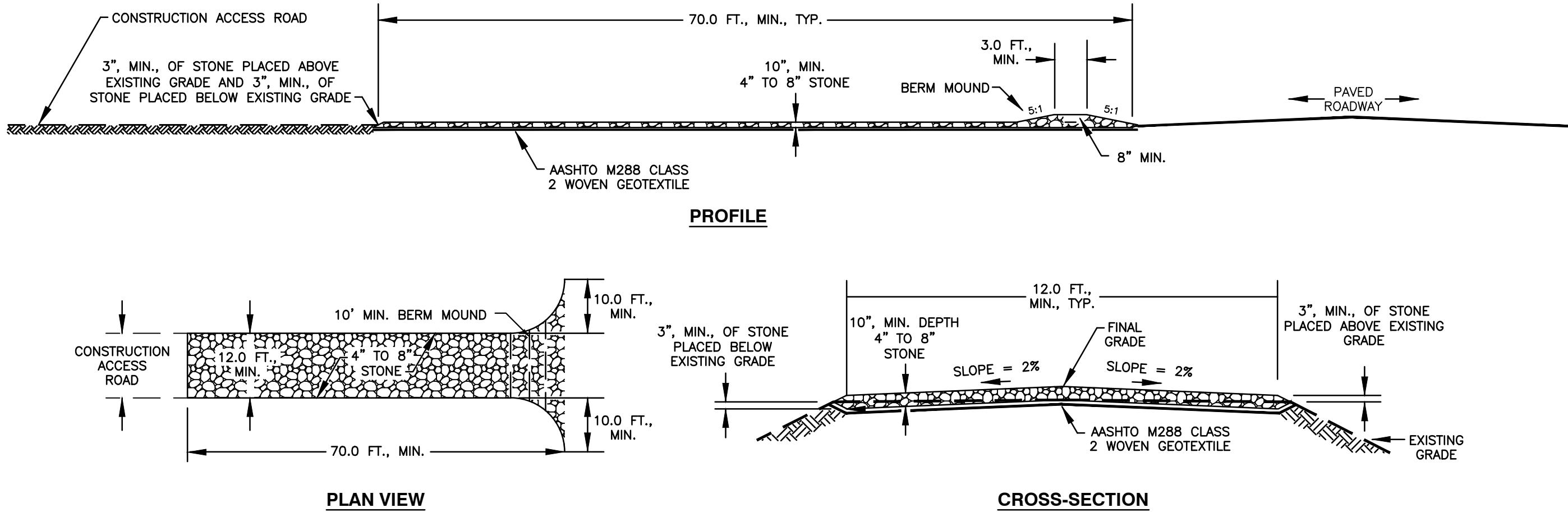
COMPOST SOCK SEDIMENT TRAP



1. COMPOST SOCK SEDIMENT TRAP SHALL BE SIZED TO PROVIDE 2000 CUBIC FEET OF STORAGE CAPACITY FOR EACH ACRE CONTRIBUTORY TO THE TRAP.
2. MINIMUM BASE WIDTH IS EQUAL TO THE HEIGHT.
3. SEDIMENT ACCUMULATION SHALL NOT EXCEED $\frac{1}{3}$ OF THE TOTAL HEIGHT OF THE TRAP.
4. SOCKS SHALL BE OF LARGER DIAMETER AT THE BASE OF THE TRAP AND DECREASE IN DIAMETER FOR SUCCESSIVE LAYERS AS SHOWN ON THE PLAN VIEW.
5. ENDS OF THE TRAP SHALL BE A MINIMUM OF 1 FOOT HIGHER IN ELEVATION THAN THE MID-SECTION, WHICH SHALL BE LOCATED AT THE POINT OF DISCHARGE.

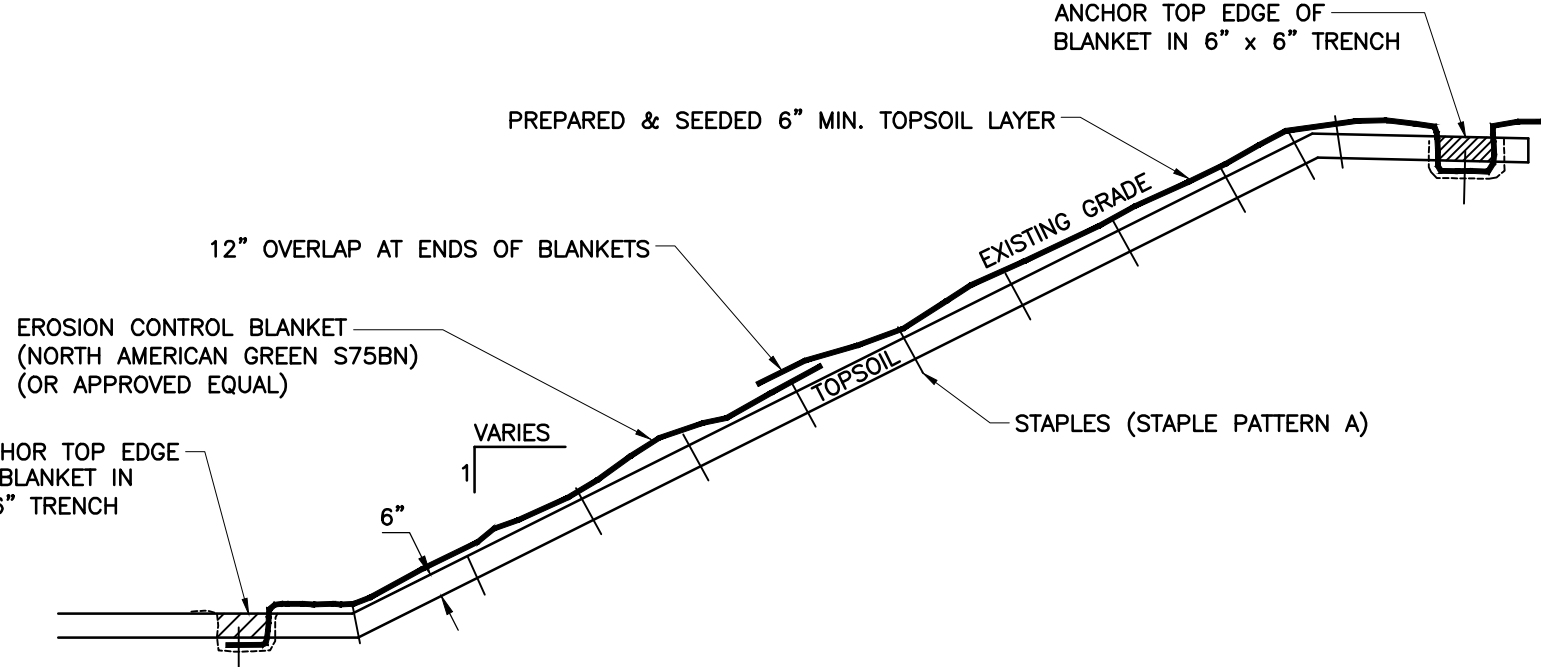
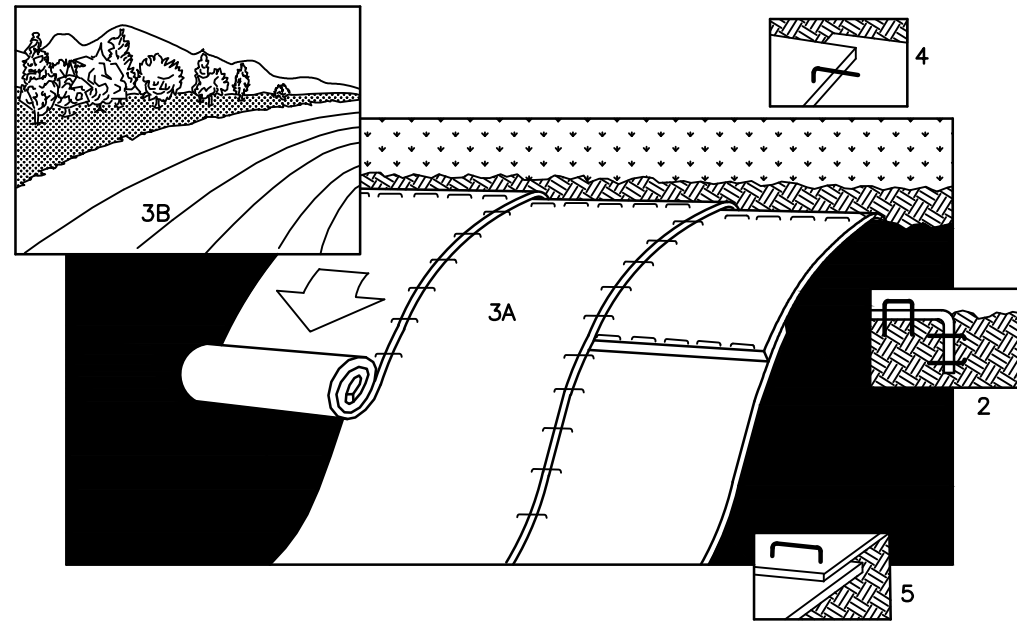
1. COMPOST SOCK TO BE FILTEREX SILT SOCK OR APPROVED EQUIVALENT. FILTER MEDIA FILL TO MEET APPLICATION REQUIREMENTS.
2. COMPOST SOCK SEDIMENT TRAPS SHALL NOT EXCEED THREE SOCKS HEIGHT AND SHALL BE STACKED IN PYRAMIDAL FORM. MINIMUM HEIGHT IS ONE 24" DIAMETER SOCK. CONTRACTOR TO INCREASE HEIGHT OF SEDIMENT TRAP AS NEEDED TO MEET RECEIVING FLOW DEPTHS.
3. COMPOST SOCK SEDIMENT TRAPS SHALL PROVIDE 2000 CUBIC FEET STORAGE CAPACITY WITH 12" FREEBOARD FOR EACH TRIBUTARY DRAINAGE ACRE. (SEE MANUFACTURER FOR ANTICIPATED SETTLEMENT.)
4. THE MAXIMUM TRIBUTARY DRAINAGE AREA IS 5.0 ACRES. SINCE COMPOST SOCKS ARE "FLOW-THROUGH," NO SPILLWAY IS REQUIRED.
5. HARDEST SOCK SEDIMENT TRAPS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/3 THE HEIGHT OF THE SOCKS.
6. PHOTODEGRADABLE AND BIODEGRADABLE SOCKS SHALL NOT BE USED FOR MORE THAN ONE YEAR.

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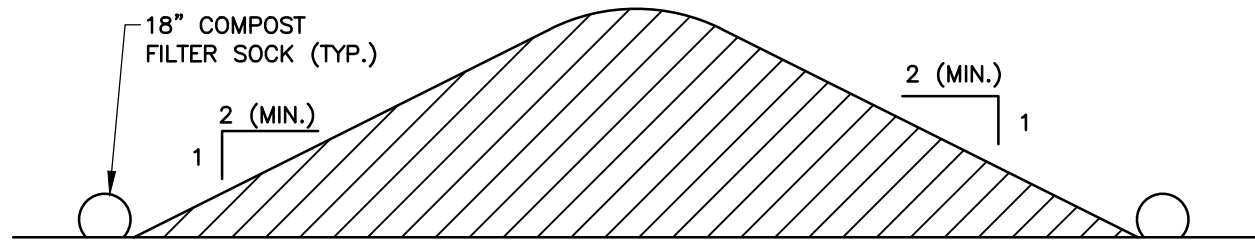
- NOTES:
1. 4" to 8" STONE SHALL EXTEND THE FULL WIDTH OF THE ACCESS ROAD.
 2. 4" to 8" STONE SHALL MEET THE GRADATION REQUIREMENTS FOR CLASS 7 AGGREGATE IN TABLE 704.6.2A OF THE WDOH STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES.
 3. A MOUNDED BERM MUST BE USED AT ALL STONE CONSTRUCTION ENTRANCES.
 4. TURNOUTS ONTO PAVED ROADS FROM STONE CONSTRUCTION ENTRANCES SHALL BE A MINIMUM OF 10.0 FEET AS MEASURED ALONG THE PAVED ROAD, REGARDLESS OF THE ANGLE AT WHICH THE STONE CONSTRUCTION ENTRANCE ENCOUNTERS THE PAVED ROAD.

1 8 STABILIZED CONSTRUCTION ENTRANCE
NOT TO SCALE



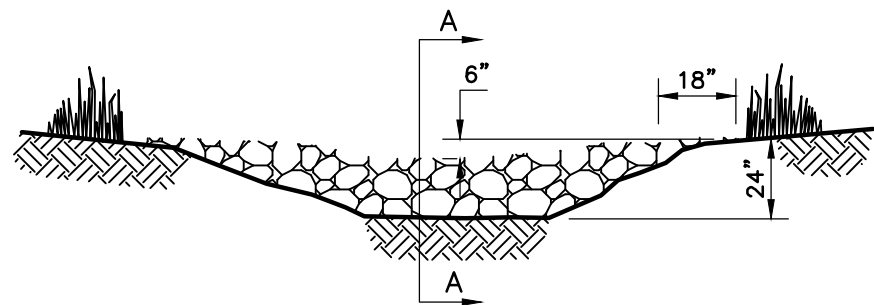
- NOTES:
1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF LIME, FERTILIZER, AND SEED.
 2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
 3. ROLL THE BLANKETS (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE.
 4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2" OVERLAP.
 5. WHEN BLANKETS MUST BE SPLICED DOWN THE SLOPE, PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH APPROXIMATELY 12" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART.
 6. EROSION CONTROL BLANKETS SHALL BE INSTALLED ON ALL 3:1 OR STEEPER SLOPES WITH A MINIMUM OF 6 INCHES OF TOPSOIL.

2 8 EROSION CONTROL BLANKET
NOT TO SCALE



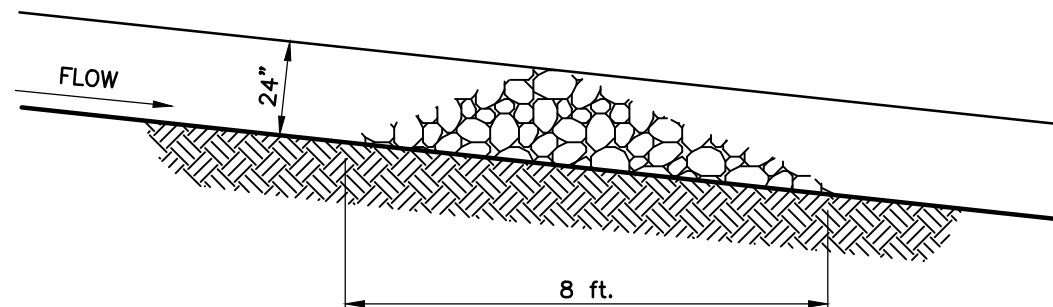
- NOTES:
1. LOCATE STOCKPILE A MINIMUM OF 50 FEET FROM THE TOP OF ANY STREAM BANK AND IN NON-AQUATIC, NON-WETLAND AREA.
 2. INSTALL FILTER SOCK AROUND DOWN-GRADIENT PERIMETER OF STOCKPILE.
 3. ESTABLISH MAXIMUM 5:1 SLOPES ON ALL SIDES OF STOCKPILE.
 4. MAXIMUM HEIGHT OF STOCKPILES NOT TO EXCEED 2-FT.
 5. THE TEMPORARY STOCKPILE SHOULD BE SEEDED, MULCHED OR OTHERWISE PROTECTED FROM EROSION AND SEDIMENTATION FOR STORAGE PERIODS THAT WILL EXCEED 4 DAYS.

3 8 TEMPORARY / PERMANENT SOIL STOCKPILE
NOT TO SCALE



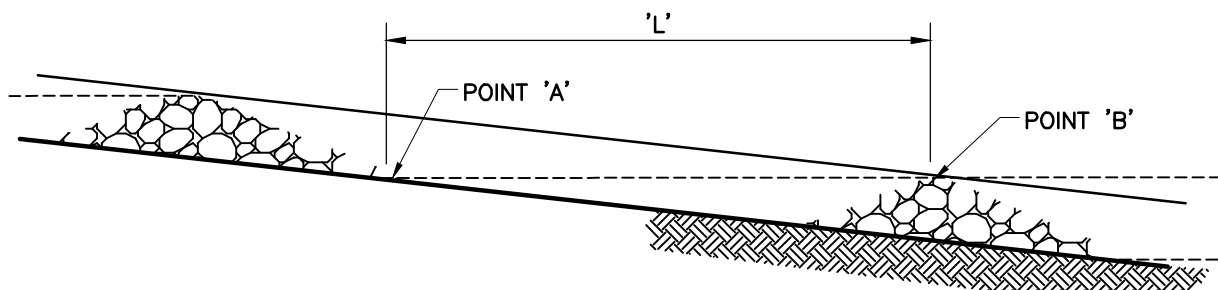
VIEW LOOKING UPSTREAM

NOTE:
KEY STONE INTO THE DITCH BANKS AND EXTEND IT BEYOND THE ABUTMENTS A MINIMUM OF 18" TO PREVENT OVER FLOW AROUND DAM.



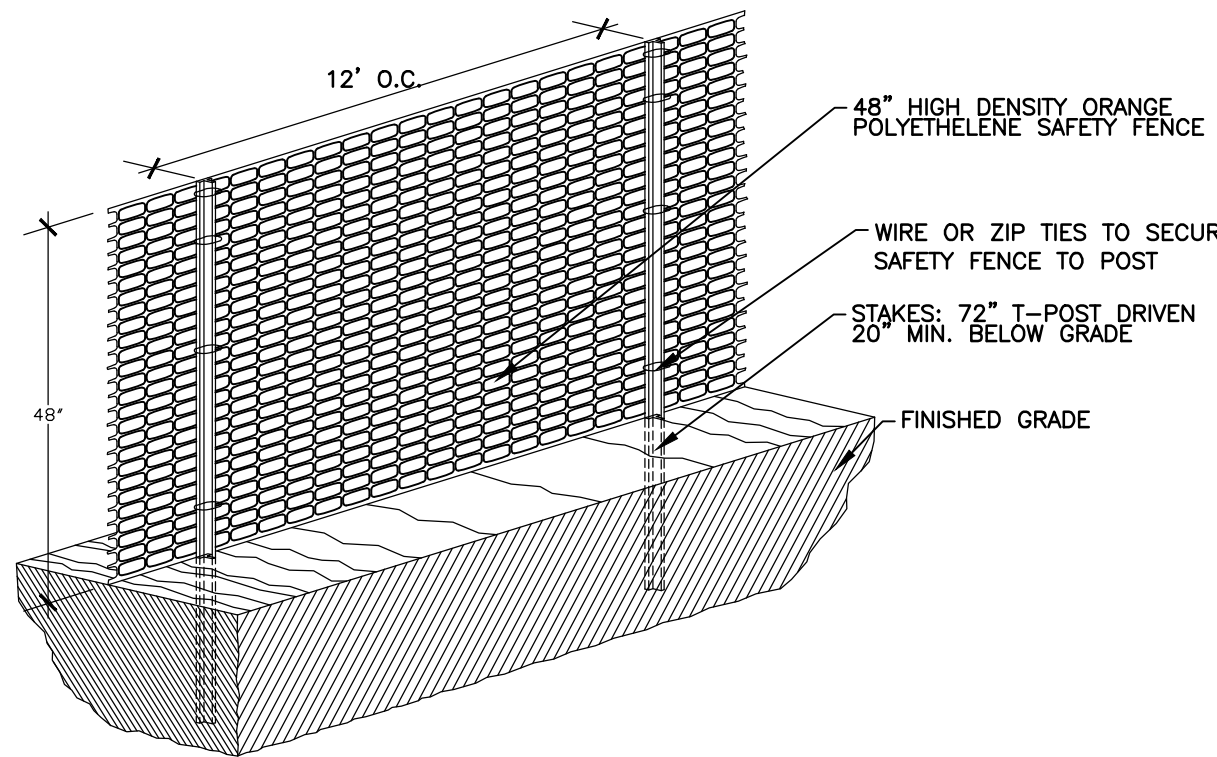
SECTION A - A

'L' = THE DISTANCE SUCH THAT POINTS 'A' AND 'B' ARE OF EQUAL ELEVATION.



SPACING BETWEEN CHECK DAMS

4 8 ROCK CHECK DAM
NOT TO SCALE



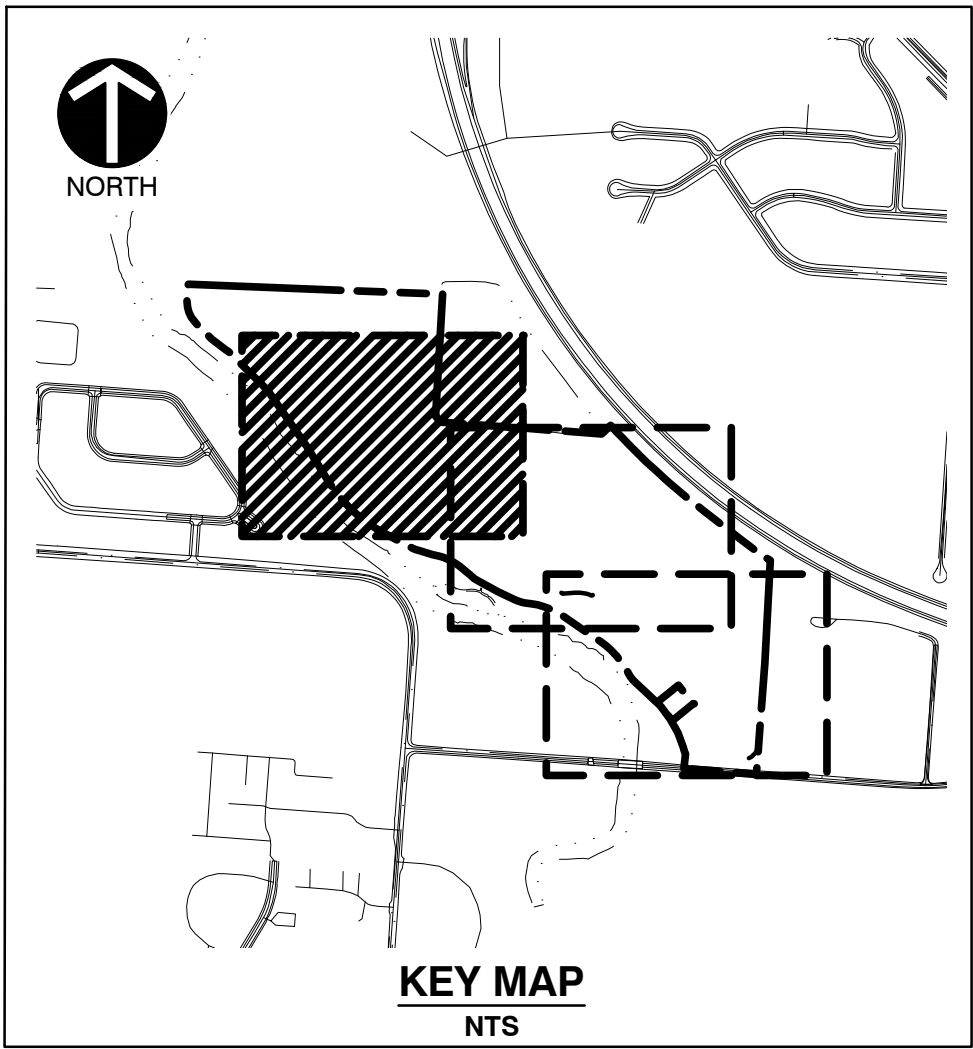
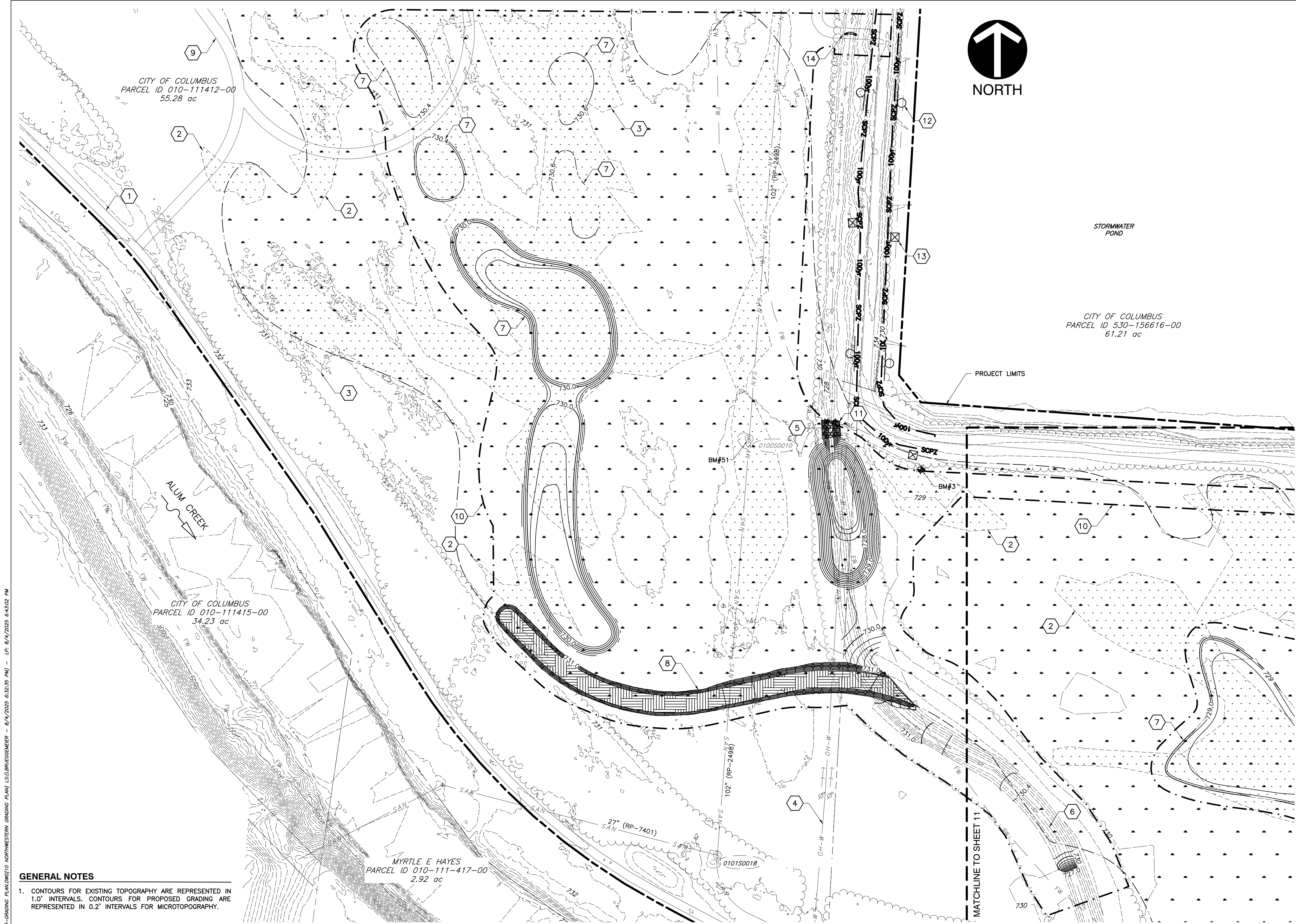
- NOTES:
1. ALL SENSITIVE AREAS SHALL BE PROTECTED AS PER PLAN.
 2. SAFETY FENCE SHOULD BE FASTENED SECURELY TO THE T-POSTS.
 3. THE FENCING MUST REMAIN IN PLACE DURING ALL PHASES OF CONSTRUCTION; ANY CHANGE OF THE PROTECTIVE FENCING MUST BE APPROVED BY THE OWNER.

5 8 ORANGE CONSTRUCTION FENCE
NOT TO SCALE

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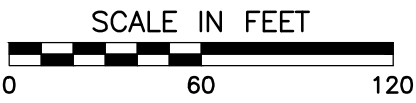
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- KEY NOTE ITEMS** #
- | | |
|--|---|
| 1. EXISTING ALUM CREEK MULTI-USE TRAIL TO REMAIN. | 8. PROPOSED 500-LF BERM, TOP ELEV 732.0-FT AMSL. SEE SHEET 14, DETAIL 2. |
| 2. EXISTING CATEGORY 1 WETLAND. | 9. PROPOSED MOWED PATH. ON GRADE. |
| 3. EXISTING CATEGORY 2 WETLAND. | 10. PROPOSED LIMITS OF DISTURBANCE. SHOWN AT 2-FT OFFSET. |
| 4. EXISTING AEP OVERHEAD ELECTRICAL LINES. PREVIOUSLY ABANDONED. | 11. PROPOSED LOW WATER CROSSING. |
| 5. EXISTING 24" CORRUGATED PLASTIC PIPE TO BE REMOVED. | 12. PROPOSED STREAM CORRIDOR PROTECTION ZONE SIGNAGE. SEE SHEET 15, DETAIL 1. |
| 6. EXISTING DRAINAGE DITCH. 2,166-LF TO REMAIN, 756-LF TO BE FILLED. | 13. PROPOSED NO MOW MARKER. SEE SHEET 15, DETAIL 2. |
| 7. PROPOSED WETLAND DEPRESSION. | 14. PROPOSED BOULDER SILL. SEE SHEET 15, DETAIL 3. |

- LEGEND**
- | | |
|--|--|
| | PROPOSED PROJECT LIMITS |
| | EXISTING CONTOUR (MAJOR) |
| | EXISTING CONTOUR (MINOR) |
| | EXISTING CANOPY DRIP LINE (APPROX.) |
| | EXISTING OVERHEAD ELECTRICAL LINE |
| | EXISTING ELECTRICAL POLE |
| | EXISTING UNDERGROUND SEWER LINE |
| | EXISTING SANITARY SEWER MANHOLE |
| | EXISTING STORM SEWER LINE |
| | EXISTING STORM SEWER MANHOLE |
| | EXISTING DITCH |
| | EXISTING FENCE |
| | EXISTING ROAD |
| | EXISTING GRAVEL PARKING |
| | EXISTING PAVED PATH |
| | EXISTING PARCEL BOUNDARY |
| | EXISTING RIGHT-OF-WAY |
| | EXISTING FLOODWAY (ZONE AE) |
| | EXISTING STREAM CORRIDOR PROTECTION ZONE |
| | EXISTING 100-YR FLOODPLAIN (ZONE AE) |
| | EXISTING 500-YR FLOODPLAIN (ZONE X) |
| | EXISTING WETLAND |
| | EXISTING WATERBODY |
| | PROPOSED CONTOUR (MAJOR) |
| | PROPOSED CONTOUR (MINOR) |
| | PROPOSED WALKING TRAIL |
| | PROPOSED EARTHEN BERM* |
| | PROPOSED WETLAND RESTORATION AREA |
| | PROPOSED LOW WATER CROSSING* |
| | PROPOSED STREAM BUFFER SIGNAGE* |
| | PROPOSED NO MOW MARKER* |
| | PROPOSED BOULDER SILL* |
| | PROPOSED LIMITS OF DISTURBANCE |
- *NOT TO SCALE



- GENERAL NOTES**
1. CONTOURS FOR EXISTING TOPOGRAPHY ARE REPRESENTED IN 1.0' INTERVALS. CONTOURS FOR PROPOSED GRADING ARE REPRESENTED IN 0.2' INTERVALS FOR MICROTOPOGRAPHY.

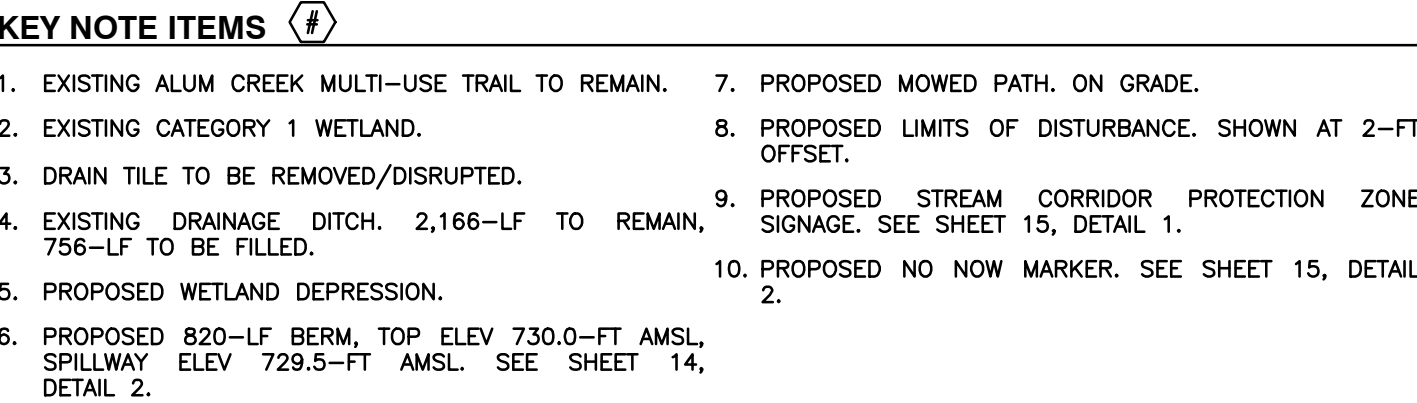
EASEMENT REFERENCE				REVISIONS		
CITY NO.	COUNTY RECORDER		GRANTOR	NO.	DESCRIPTION	APPROVAL/DATE
	VOL.	PAGE				

PLAN PREPARED BY:


Environmental Consultants, Inc.
250 Old Wilson Bridge Road, Suite 250 - Worthington, OH 43085
Ph: 614.540.6633 · 888.598.6808 · Fax: 614.540.6638
www.cecinc.com

PROJECT TITLE:				PRIVATE STORM & GRADING FOR THREE CREEKS WETLAND RESTORATION PROJECT 3086 WATKINS ROAD CITY OF COLUMBUS, OHIO NORTHWESTERN GRADING PLAN			
DIVISION USE ONLY		OWNER					
		CONTRACTOR					
		INSPECTOR					
		AGREEMENT		COMPLETED			
		RPD	CKD	CLD	CON. DR.		

CITY OF COLUMBUS RECREATION AND PARKS DEPT. DIVISION OF SEWERAGE AND DRAINAGE DIVISION USE ONLY			
SCALE: 1"=60'		SHEET: 10 OF 16	
CONTRACT DRAWING NO. CC-20633		RECORD PLAN NO.	




*NOT TO SCALE

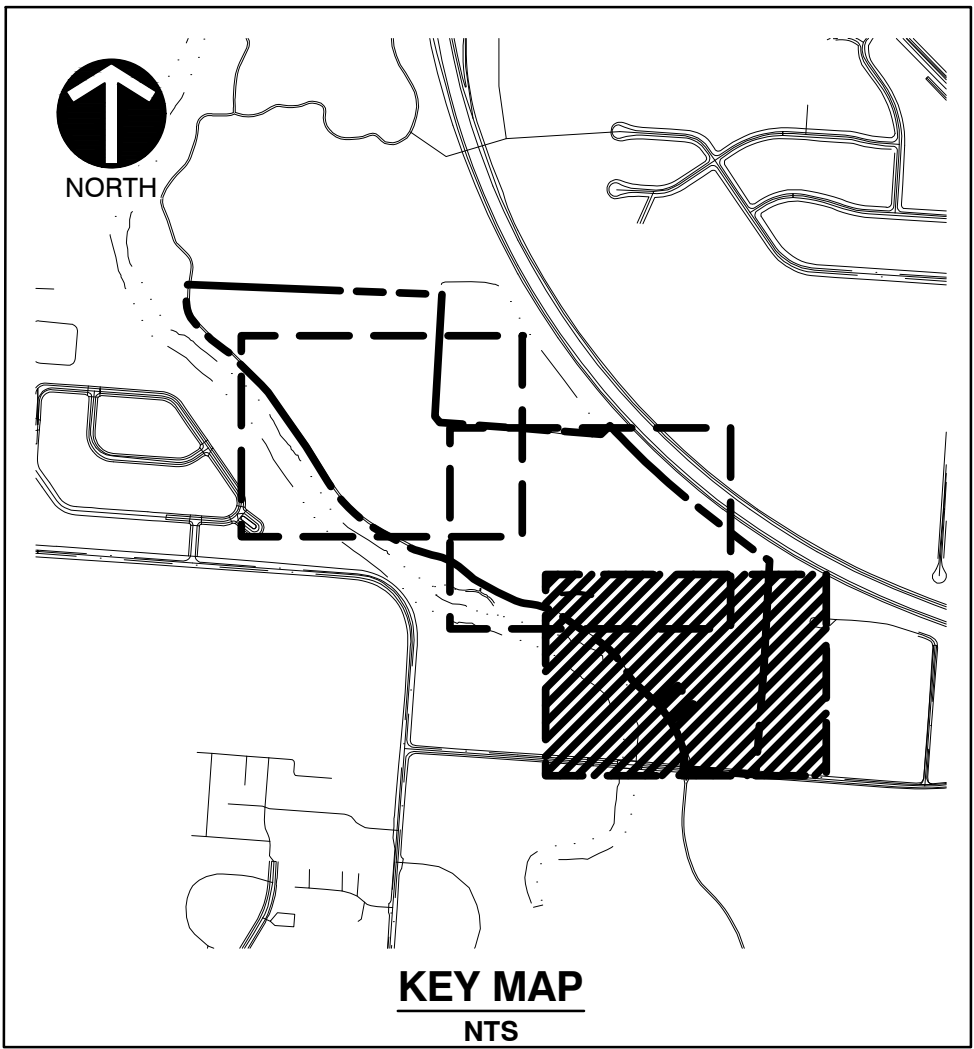
GENERAL NOTES

1. CONTOURS FOR EXISTING TOPOGRAPHY ARE REPRESENTED IN 1.0' INTERVALS. CONTOURS FOR PROPOSED GRADING ARE REPRESENTED IN 0.2' INTERVALS FOR MICROTOPOGRAPHY.

SCALE IN FEET

A graphic scale bar with a black and white checkered pattern. It is labeled "0" at the left end and "60" at the right end, with the text "SCALE IN FEET" centered above it.

PL\340-0001\340-8791-CADD\DWG\EC03-GRADING PLAN\DWG12 SOUTHERN GRADING PLAN\LS\BRIDGEENGINEER - 8/4/2025 6:32:39 PM) - LP: 8/4/2025 6:45:49 PM



- KEY NOTE ITEMS**
- | | |
|---|--|
| 1. EXISTING ALUM CREEK MULTI-USE TRAIL TO REMAIN. | 6. PROPOSED MOWED PATH. ON GRADE. |
| 2. EXISTING CATEGORY 1 WETLAND. | 7. PROPOSED ADA COMPLIANT ACCESS PATH AND OVERLOOK. SEE SHEET 13. |
| 3. DRAIN TILE TO BE REMOVED/DISRUPTED. | 8. PROPOSED LIMITS OF DISTURBANCE. SHOWN AT 2'-FT OFFSET. |
| 4. PROPOSED WETLAND DEPRESSION. | 9. PROPOSED STREAM CORRIDOR PROTECTION ZONE SIGNAGE. SEE SHEET 15, DETAIL 1. |
| 5. PROPOSED 820-LF BERM, TOP ELEV 730.0-FT AMSL, SPILLWAY ELEV 729.5-FT AMSL. SEE SHEET 14, DETAIL 2. | 10. PROPOSED NO NOW MARKER. SEE SHEET 15, DETAIL 2. |

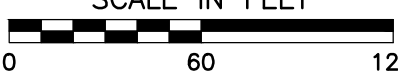
LEGEND

- | | |
|--|--|
| | PROPOSED PROJECT LIMITS |
| | EXISTING CONTOUR (MAJOR) |
| | EXISTING CONTOUR (MINOR) |
| | EXISTING CANOPY DRIP LINE (APPROX.) |
| | EXISTING OVERHEAD ELECTRICAL LINE |
| | EXISTING ELECTRICAL POLE |
| | EXISTING UNDERGROUND SEWER LINE |
| | EXISTING SANITARY SEWER MANHOLE |
| | EXISTING STORM SEWER LINE |
| | EXISTING STORM SEWER MANHOLE |
| | EXISTING UNDERGROUND WATER LINE |
| | EXISTING DITCH |
| | EXISTING FENCE |
| | EXISTING ROAD |
| | EXISTING GRAVEL PARKING |
| | EXISTING PAVED PATH |
| | EXISTING PARCEL BOUNDARY |
| | EXISTING RIGHT-OF-WAY |
| | EXISTING FLOODWAY (ZONE AE) |
| | EXISTING STREAM CORRIDOR PROTECTION ZONE |
| | EXISTING 100-YR FLOODPLAIN (ZONE AE) |
| | EXISTING 500-YR FLOODPLAIN (ZONE X) |
| | EXISTING WETLAND |
| | EXISTING WATERBODY |
| | EXISTING DRAIN TILE LOCATION (APPROX.) |
| | PROPOSED CONTOUR (MAJOR) |
| | PROPOSED CONTOUR (MINOR) |
| | PROPOSED WALKING TRAIL |
| | PROPOSED EARTHEN BERM* |
| | PROPOSED WETLAND RESTORATION AREA |
| | PROPOSED LIMESTONE PATH* |
| | PROPOSED STREAM BUFFER SIGNAGE* |
| | PROPOSED NO MOW MARKER* |
| | PROPOSED LIMITS OF DISTURBANCE |

*NOT TO SCALE

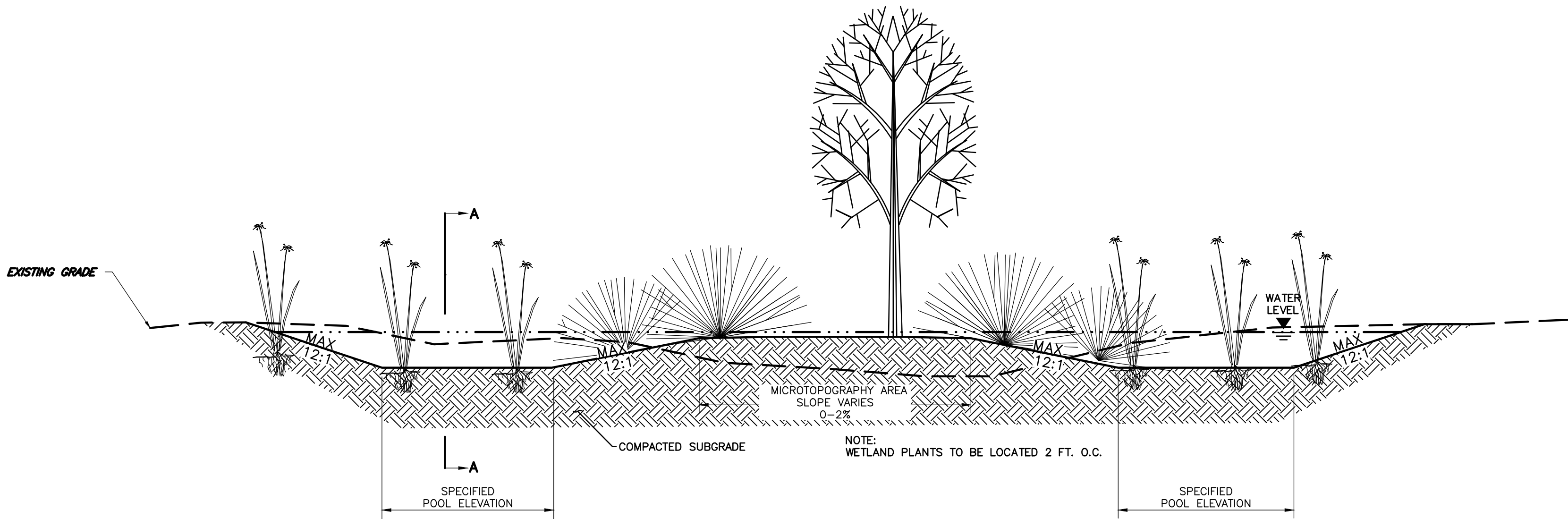
GENERAL NOTES

- CONTOURS FOR EXISTING TOPOGRAPHY ARE REPRESENTED IN 1.0' INTERVALS. CONTOURS FOR PROPOSED GRADING ARE REPRESENTED IN 0.2' INTERVALS FOR MICROTOPOGRAPHY.
- DRAIN TILE LOCATIONS BASED ON AERIAL IMAGERY. CONTRACTOR SHALL FIELD VERIFY.



EASEMENT REFERENCE				REVISIONS			PLAN PREPARED BY: <div> Environmental Consultants, Inc. 250 Old Wilson Bridge Road, Suite 250 · Worthington, OH 43085 Ph: 614.540.6633 · 888.598.6808 · Fax: 614.540.6638 www.cecinc.com</div>	PROJECT TITLE: PRIVATE STORM & GRADING FOR THREE CREEKS WETLAND RESTORATION PROJECT 3086 WATKINS ROAD CITY OF COLUMBUS, OHIO SOUTHEASTERN GRADING PLAN						CITY OF COLUMBUS RECREATION AND PARKS DEPT. DIVISION OF SEWERAGE AND DRAINAGE DIVISION USE ONLY	
CITY NO.	COUNTY RECORDER		GRANTOR	NO.	DESCRIPTION	APPROVAL/DATE		DIVISION USE ONLY			OWNER			SCALE: 1"=60'	SHEET: 12 OF 16
	VOL.	PAGE						CONTRACTOR			INSPECTOR				
AGREEMENT			COMPLETED			CONTRACT DRAWING NO. CC-20633		RECORD PLAN NO.							
RPD			CKD	CLD	CON.				DR.						

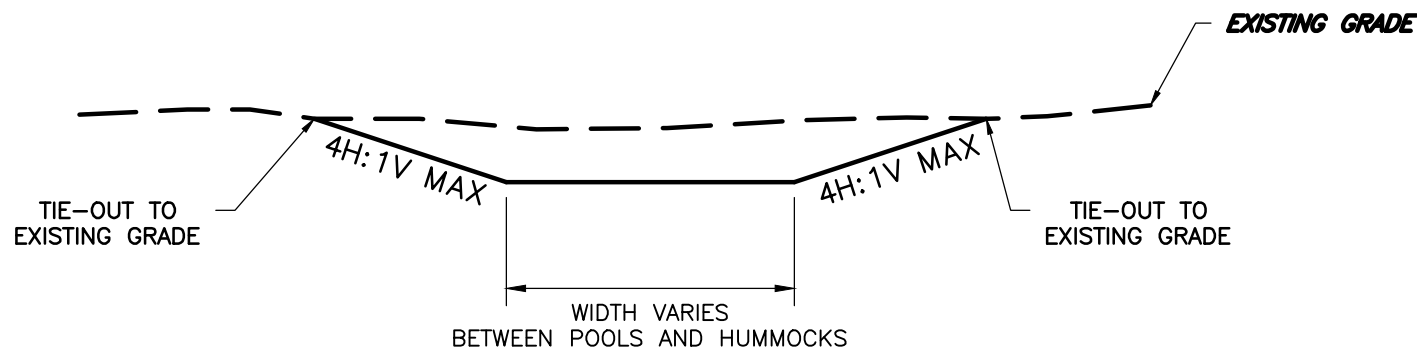
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CITY NO.	COUNTY RECORDER		GRANTOR	NO.	DESCRIPTION	APPROVAL/DATE		DIVISION USE ONLY			OWNER			SCALE: 1"=8'	SHEET: 13 OF 16		
	VOL.	PAGE						CONTRACTOR			INSPECTOR						
														CONTRACT DRAWING NO. CC-20633	RECORD PLAN NO.		
								AGREEMENT			COMPLETED						
								RPD	CKD	CLD	CON. DR.						



NOTES:

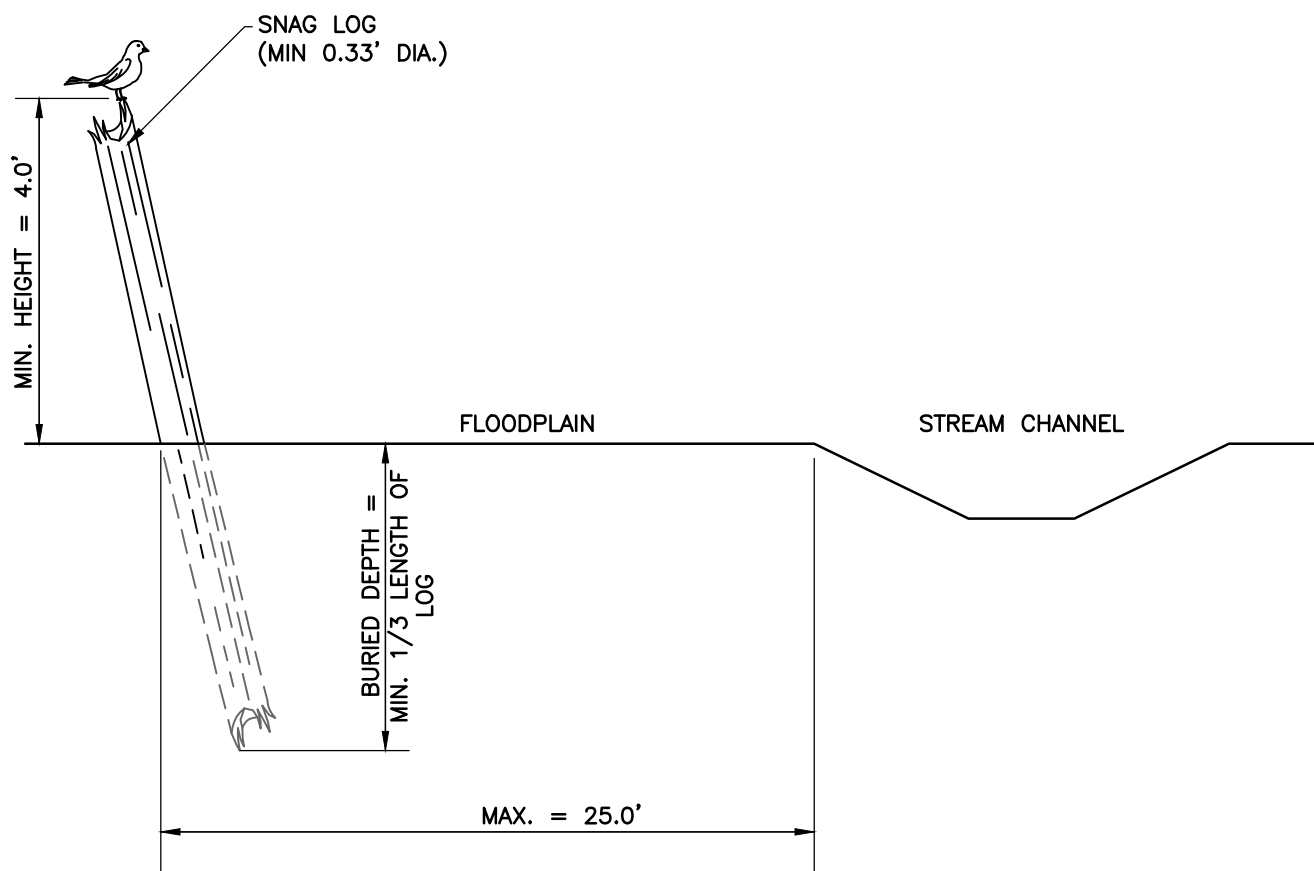
1. MICROTOPOGRAPHY AREAS ARE GRADED INTO THE EXISTING GROUND TO CREATE DEPRESSIONS FOR HYDROLOGY RETENTION. GRADED AREAS SHOULD NOT BE UNIFORM IN DEPTH AND INCLUDE HIGHER AREAS FOR ESTABLISHMENT OF HUMMOCK HABITATS. BOUNDARY EXTENTS, LOCATIONS, AND SIZES CAN BE MODIFIED PER DISCRETION OF ENGINEER OF CONSTRUCTION MANAGER ON-SITE. EXCESS MATERIAL SHOULD BE GRADED INTO VALLEY WALLS, UPLAND AREAS, OR LOWER ELEVATION AREAS IN THE FLOODPLAIN PER ENGINEER OR CONSTRUCTION MANAGER ON-SITE.
2. WETLAND SOILS HARVESTED ON-SITE SHOULD BE STOCKPILED AND SAVED FOR INCORPORATION INTO MICRO-TOPOGRAPHY AREAS.
3. FLOODPLAIN AND WILDLIFE HABITAT (3/D3) SHALL BE RANDOMLY INCORPORATED INTO THE MICRO-TOPOGRAPHY AREA. LOCATIONS OF HABITAT STRUCTURES CAN BE ADJUSTED IN THE FIELD, EQUIPMENT SHALL NOT BE USED IN EXISTING WETLANDS AND ONLY PLACED MANUALLY.
4. WETLAND SEED PER SPECIFICATIONS AND LIVE STAKES SHALL BE PLANTED IN MICRO-TOPOGRAPHY AREAS PER TABLES AND SPECIFICATIONS IN THE PLAN.

SECTION VIEW



SECTION VIEW A-A

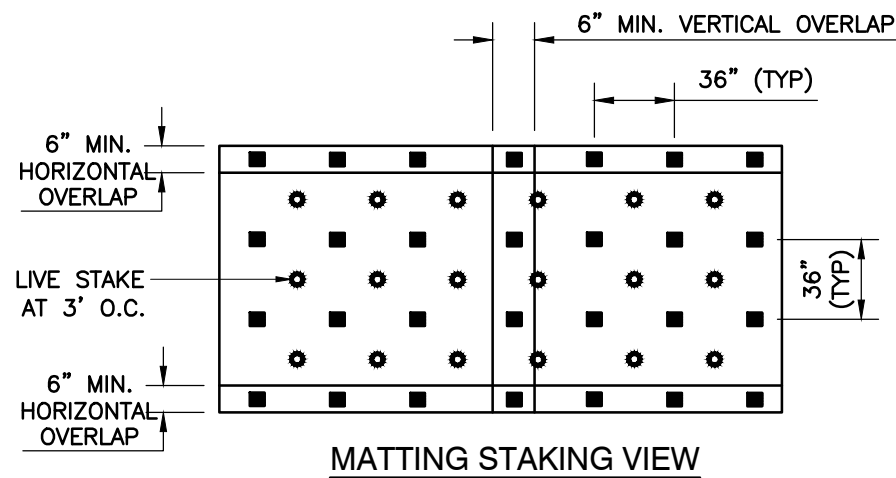
1 WETLAND CELL / MICROTOPOGRAPHY
14 NOT TO SCALE



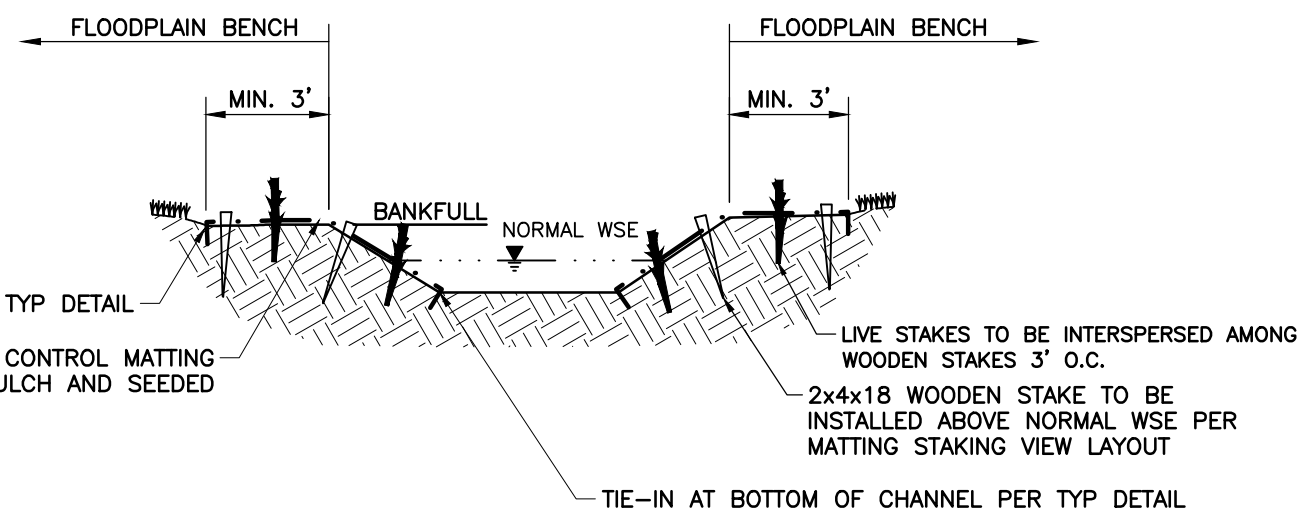
NOTES:

1. WOOD SNAG SHALL BE PLACED WITHIN 25 FEET OF THE TOP OF BANK OF THE PROPOSED RESTORATION AREAS.
2. WOOD SNAG SHALL BE BURIED TO A DEPTH NO SHALLOWER THAN 1/3 OF THE TOTAL LENGTH OF THE LOG.
3. MINIMUM STICK-UP HEIGHT IS 4.0 FEET.
4. MINIMUM DIAMETER IS 4 INCHES.
5. LOG SHALL BE RELATIVELY STRAIGHT & RECENTLY HARVESTED.
6. ALL MATERIALS ARE TO BE APPROVED BY THE ENGINEER OR ENGINEER'S ON-SITE CONSTRUCTION MANAGER.

3 WOOD SNAG OR PERCH
14 NOT TO SCALE

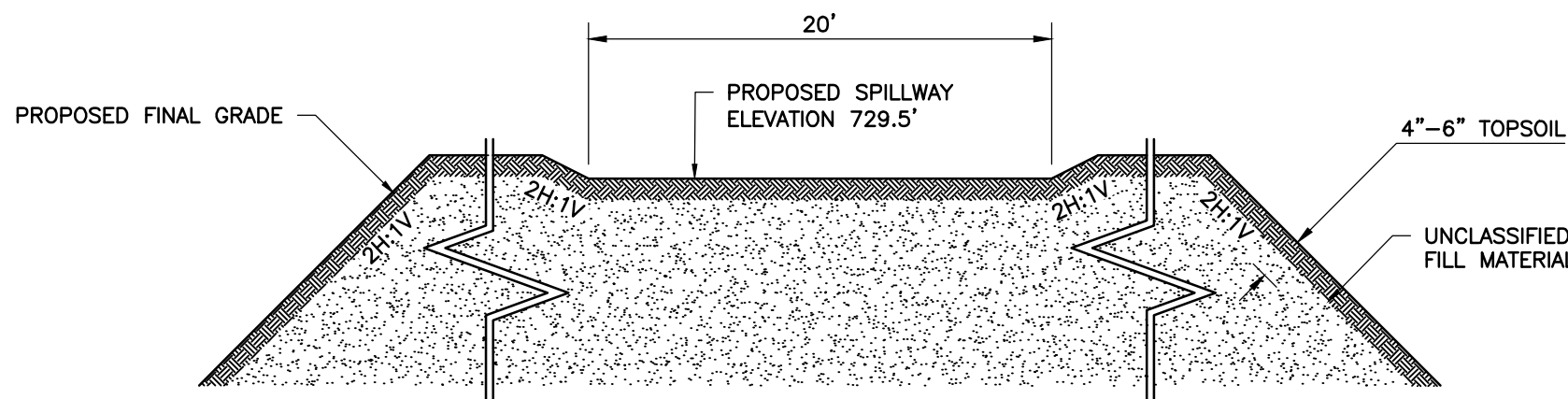


MATTING STAKING VIEW

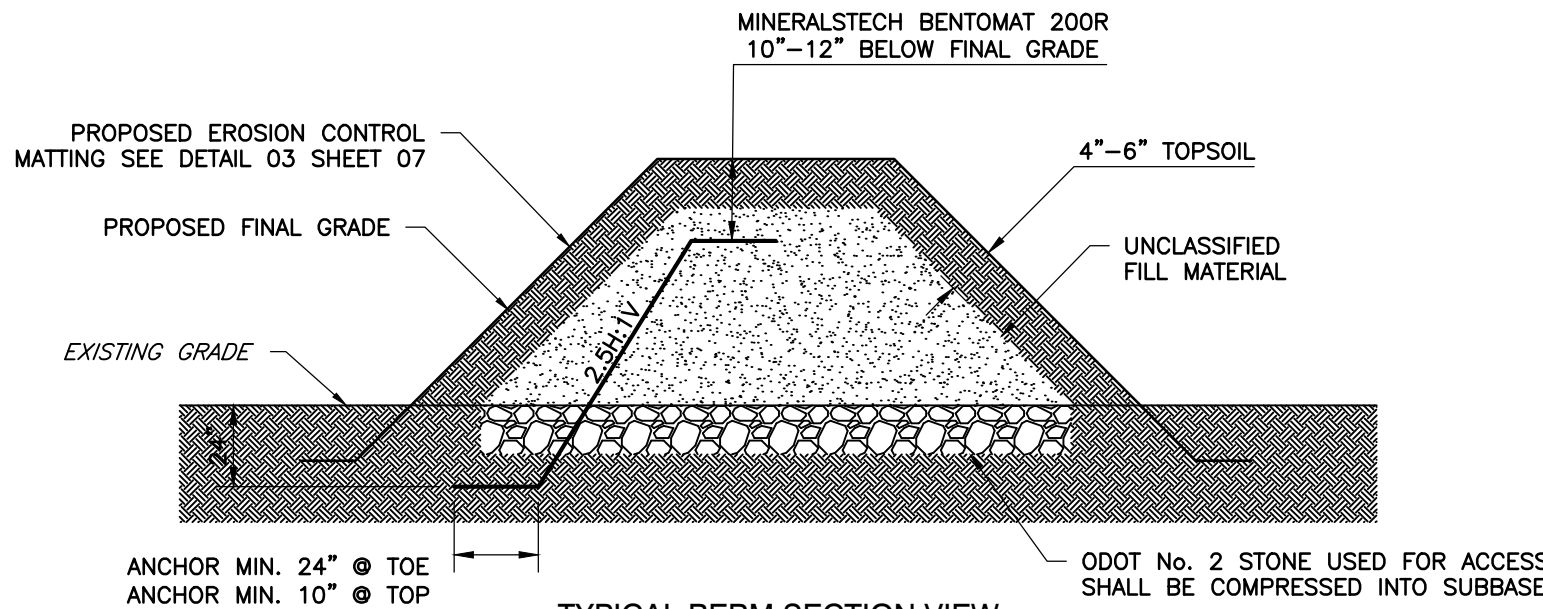


SECTION B-B'
(TYPICAL RIFFLE)

4 FLOODPLAIN MATTING
14 NOT TO SCALE

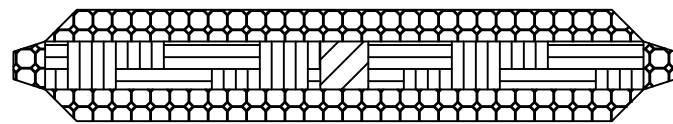


TYPICAL SPILLWAY SECTION VIEW

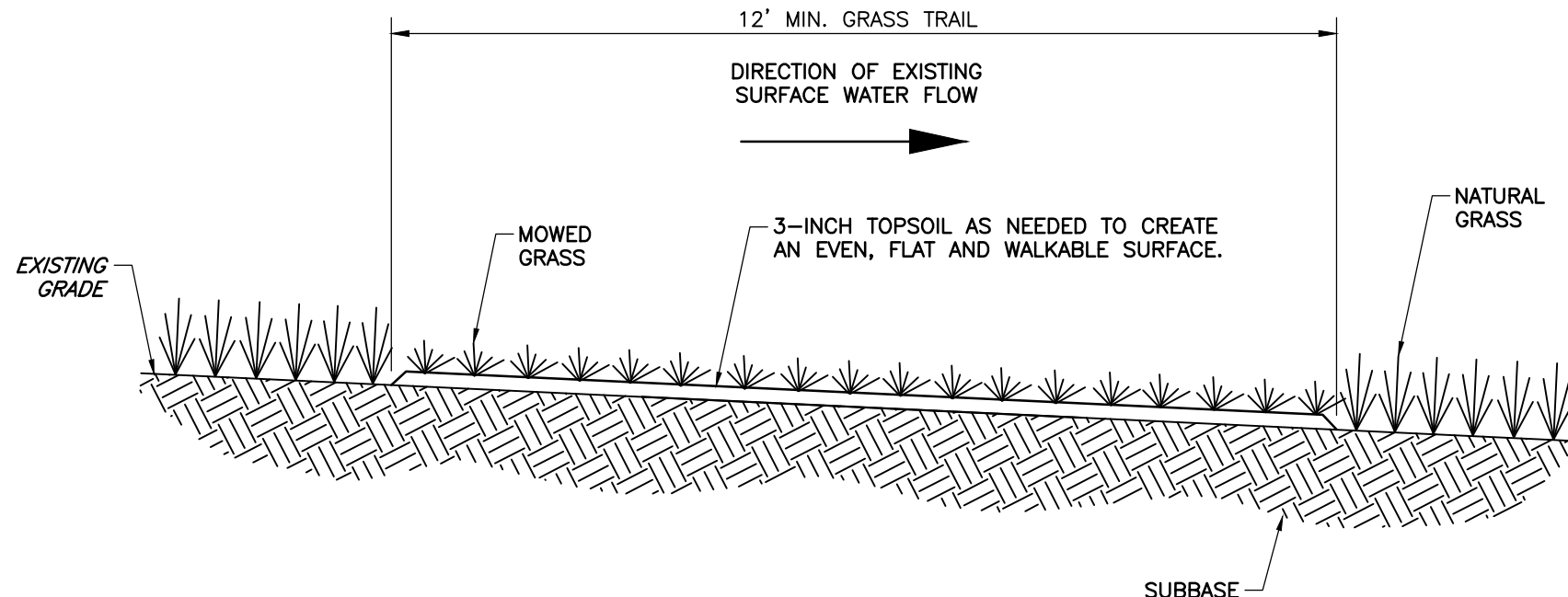


TYPICAL BERM SECTION VIEW

PLAN SYMBOL



2 EARTHEN BERM
14 NOT TO SCALE



PROFILE VIEW

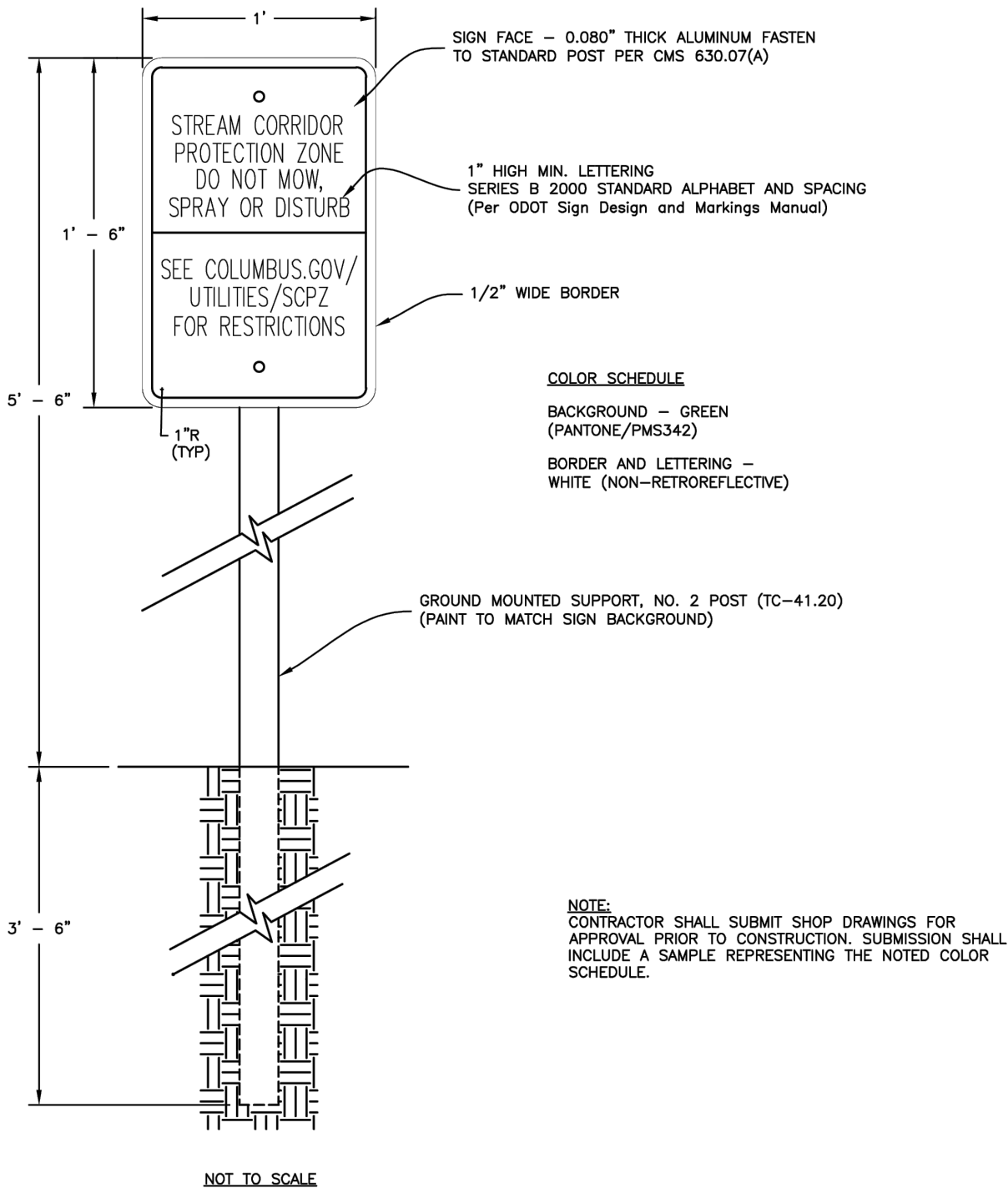
NOTES:

1. EXISTING VEGETATION TO BE MOWED, DISCED, AND TOP DRESSED WITH TOPSOIL TO CREATE AN EVEN, FLAT AND WALKABLE SURFACE. SEE PLANTING SHEETS FOR SEEDING INFORMATION.

5 MOWED PATH
14 NOT TO SCALE

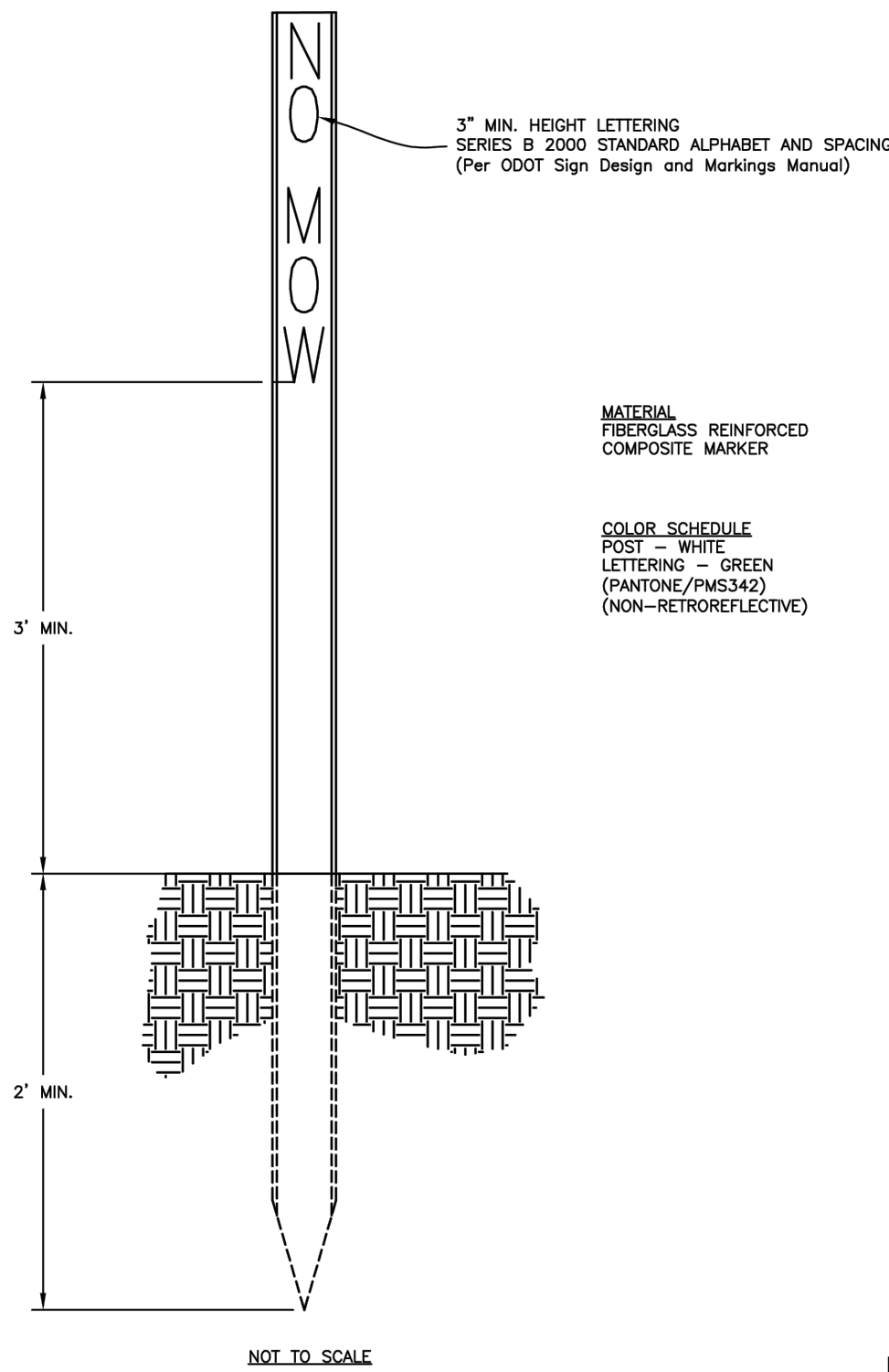
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CITY NO.	COUNTY RECORDER		GRANTOR	NO.	DESCRIPTION	APPROVAL/DATE		DIVISION USE ONLY		OWNER		SCALE: N/A	SHEET: 14 OF 16		
	VOL.	PAGE						CONTRACTOR		INSPECTOR					
								AGREEMENT		COMPLETED		CONTRACT DRAWING NO. CC-20633	RECORD PLAN NO.		
								RPD	CKD	CLD	CON. DR.				

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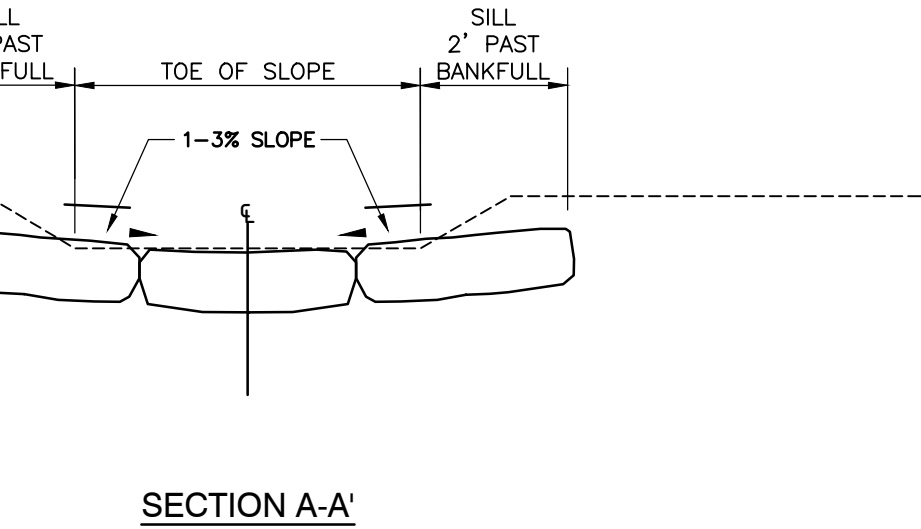
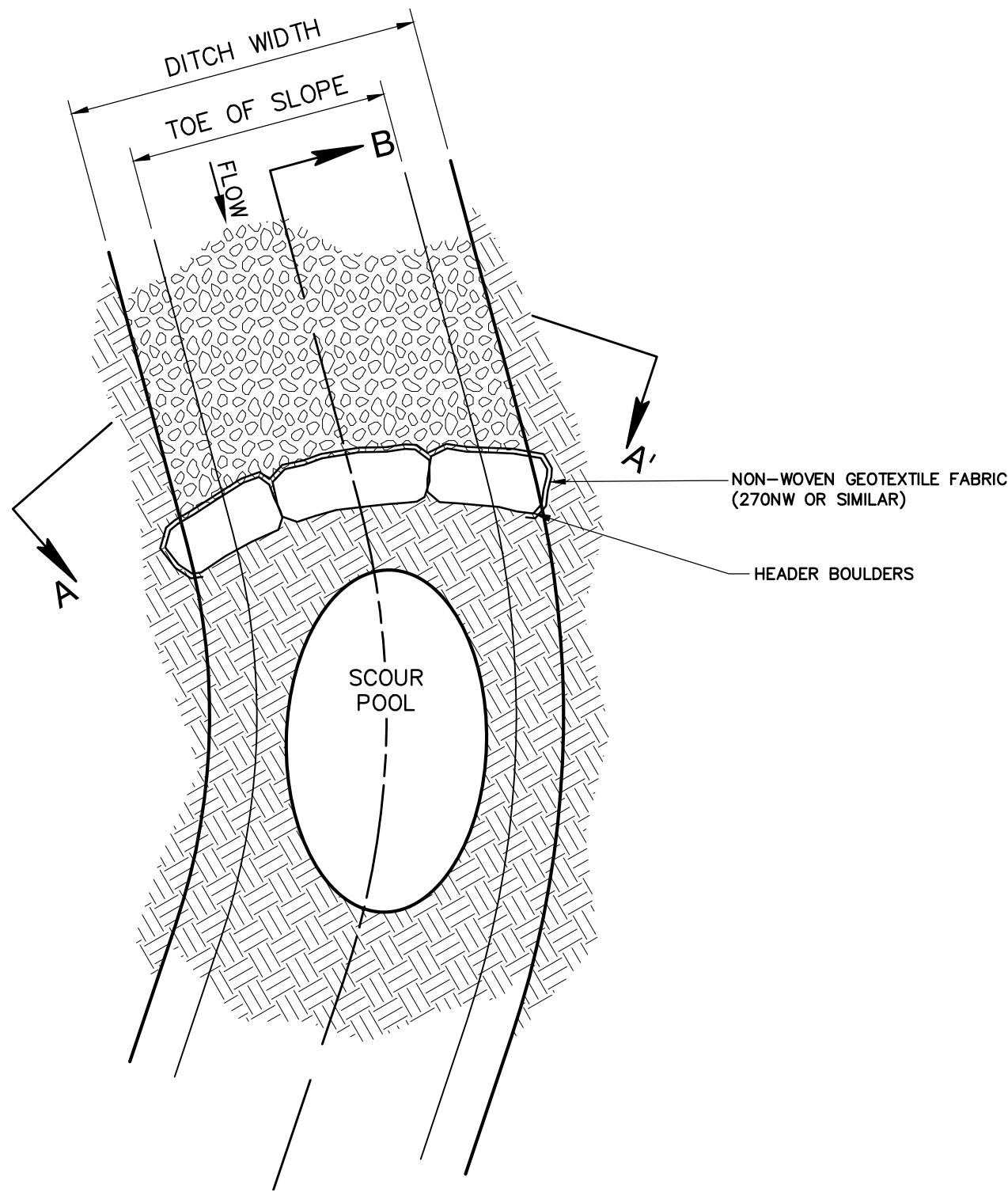
1
15 STREAM BUFFER SIGN WITH NO. 2 POST
NOT TO SCALE

PLAN SYMBOL



2
15 NO MOW MARKER WITH FLEXIBLE POST
NOT TO SCALE

PLAN SYMBOL

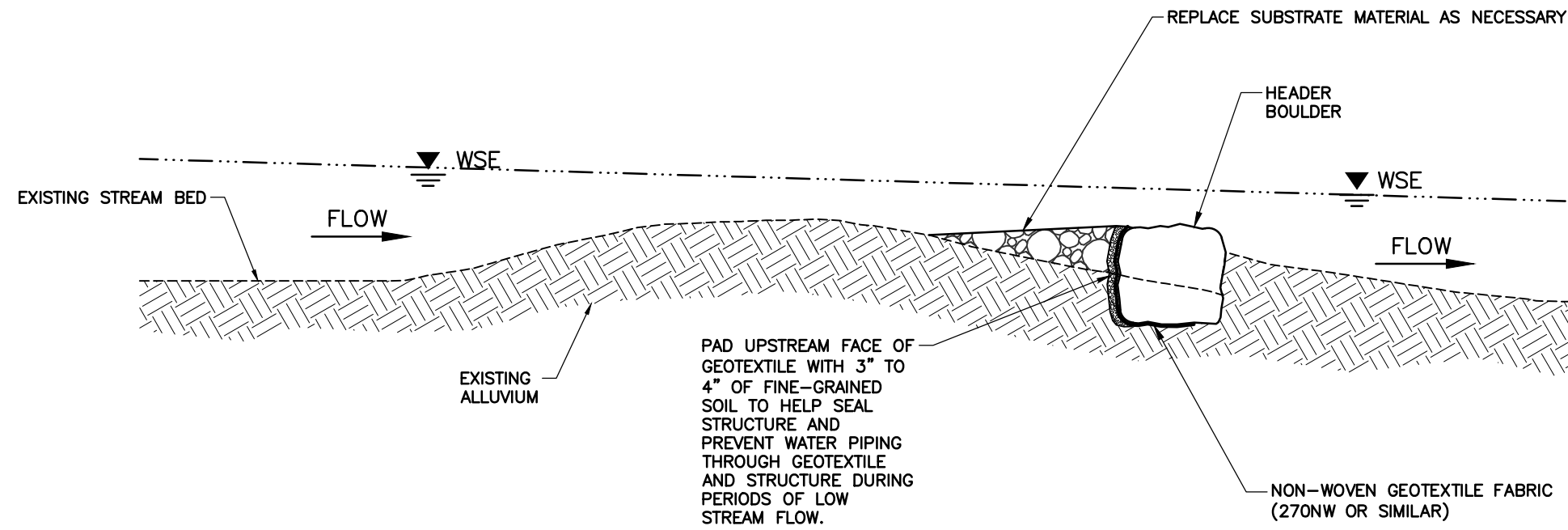
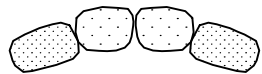


NOTES:

1. BOULDER SILL SHALL BE CONSTRUCTED WITH 1 ROW OF HEADER BOULDERS BURIED SUCH THAT THE TOP OF STONE MEETS THE EXISTING DITCH GRADE.
2. BOULDERS SHALL POINT TOWARDS CENTER OF RADIUS OF STREAM CHANNEL.
3. PLUG GAPS BETWEEN BOULDERS WITH ROCK, PLACE GEOTEXTILE PER NOTE 4, SEAL THE UPSTREAM FACE OF GEOTEXTILE WITH 3\"/>
4. NON-WOVEN GEOTEXTILE FABRIC (US FABRICS 205NW OR EQUIVALENT) SHALL BE LAID UNDER HEADER STONE AND WRAP UP TOWARDS FINISHED GRADE ELEVATION AND SHALL BE PLACED THE ENTIRE LENGTH OF THE STRUCTURE.
5. ALL MATERIALS ARE TO BE APPROVED BY ENGINEER OR ENGINEER'S ONSITE CONSTRUCTION OBSERVER.

3
15 DITCH BOULDER SILL
NOT TO SCALE


PLAN SYMBOL



SECTION B-B'

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CITY NO.	COUNTY RECORDER		GRANTOR	NO.	DESCRIPTION	APPROVAL/DATE		DIVISION USE ONLY				OWNER				SCALE: N/A	SHEET: 15 OF 16		
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	RPD	CKD							CLD	CON. DR.									



KEY NOTE ITEMS 

1. EXISTING ALUM CREEK MULTI-USE TRAIL TO REMAIN.
2. EXISTING FLOODWAY.
3. EXISTING 100-YR FLOODPLAIN.
4. EXISTING STREAM CORRIDOR PROTECTION ZONE (SCPZ).
5. EXISTING WETLAND.
6. PROPOSED 500-LF BERM, TOP ELEV 732.0-FT AMSL. SEE SHEET 14, DETAIL 2.
7. PROPOSED 820-LF BERM, TOP ELEV 730.0-FT AMSL, SPILLWAY ELEV 729.5-FT AMSL. SEE SHEET 14, DETAIL 2.

	PROPOSED PROJECT LIMITS
	EXISTING CONTOUR (MAJOR)
	EXISTING CONTOUR (MINOR)
	EXISTING ROAD
	EXISTING PAVED PATH
	EXISTING PARCEL BOUNDARY
	EXISTING RIGHT-OF-WAY
	EXISTING UNDERGROUND SEWER LINE
	EXISTING SANITARY SEWER MANHOLE
	EXISTING UNDERGROUND WATER LINE
	EXISTING FLOODWAY (ZONE AE)
	EXISTING 100-YR FLOODPLAIN (ZONE AE)
	EXISTING STREAM CORRIDOR PROTECTION ZONE
	EXISTING 500-YR FLOODPLAIN (ZONE X)
	EXISTING WETLAND
	EXISTING WATERBODY
	PROPOSED CONTOUR (MAJOR)
	PROPOSED CONTOUR (MINOR)
	PROPOSED 100-YR FLOODPLAIN CUT
	PROPOSED 100-YR FLOODPLAIN FILL

1. THE CONTRACTOR SHALL ENSURE THAT THERE IS NO NET FILL AT THE CONCLUSION OF CONSTRUCTION ACTIVITIES AND PRIOR TO FINAL COMPLETION OF THE PROJECT.
2. CONTOURS FOR EXISTING TOPOGRAPHY ARE REPRESENTED IN 1.0' INTERVALS. CONTOURS FOR PROPOSED GRADING ARE REPRESENTED IN 0.2' INTERVALS FOR MICROTOPOGRAPHY.

UPON COMPLETION OF THE FILL IN CONJUNCTION WITH THE MASS GRADING PLAN, AN APPLICATION FOR A LETTER OF MAP REVISION (LOMR) WILL NOT BE SUBMITTED TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA), THUS ANY FUTURE SUBMITTAL TO FEMA WILL FIRST REQUIRE A NEW SITE GRADING PLAN WITH PROOF AS TO THE FILL USED AND PROPER PLACEMENT, INCLUDING COMPACTION, PRIOR TO THE EFFECTIVE DATE OF THE BUILDING CONSTRUCTION. WITHIN THE DESIGNATED FILL AREA, WILL BE ELEVATED AND/OR DRY FLOODED AS PROOFED IN ACCORDANCE WITH THE REQUIREMENTS OF C. C. CHAPTER 115F, FLOODPLAIN MANAGEMENT OF THE COLUMBIA WATER, SEWER AND ELECTRICITY CODE.

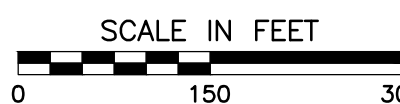
FILLING MAY BE ALLOWED IN THE FLOODWAY FRINGE ONLY IF ASSOCIATED WITH A SITE GRADING PLAN. THE SITE GRADING PLAN SHALL BE FULLY DETAILED AND SUBMITTED AS PART OF AN APPLICATION FOR A CERTIFICATE OF ZONING CLEARANCE. FILL SHALL NOT BE PLACED UNTIL AFTER THE CERTIFICATE OF ZONING CLEARANCE HAS BEEN ISSUED FOR GRADING AND FILLING.

REGARDLESS OF ANY DETERMINATION ISSUED BY FEMA TO REMOVE AN AREA FILLED AS PERMITTED AND APPROVED FROM THE DESIGNATED SPECIAL FLOOD HAZARD AREA (SFHA), DEVELOPMENT WITHIN THAT AREA OF FILL SHALL BE CONSTRUCTED WITH THE LOWEST FLOOR LEVEL, EXCLUDING A BASEMENT OR CRAWL SPACE, AT OR ABOVE THE FLOOD PROTECTION ELEVATION.

THE LOWEST GRADE ADJACENT TO A BUILDING OR STRUCTURE TO BE CONSTRUCTED WITHIN THE DESIGNATED FLOOD AREA SHALL BE AT OR ABOVE THE FLOOD PROTECTION ELEVATION, WITH THAT GRADE ELEVATION TO EXTEND AT LEAST TWENTY (20) FEET FROM THE PROPOSED BUILDING TOWARDS THE FLOODWAY OR FLOODING SOURCE.

IN ADDITION, A RESIDENTIAL DWELLING WITHIN THE DESIGNATED FILL AREA MUST HAVE A MEANS OF INGRESS AND EGRESS AT OR ABOVE THE BASE FLOOD ELEVATION THAT EXTENDS CONTINUOUSLY FROM THE DWELLING TO A LOCATION OUTSIDE THE SPECIAL FLOOD HAZARD AREA WITHIN THE SUBJECT SITE.

ALL STRUCTURES ASSOCIATED WITH FUTURE DEVELOPMENT WITHIN THE AREA OF THE FLOODPLAIN FILL SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARD OF BEING "REASONABLY SAFE FROM FLOODING", AS OUTLINED IN TECHNICAL BULLETIN 10-01, DATED MAY 2001, PUBLISHED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) OR SUCCESSOR DOCUMENTS.



FINAL SITE COMPLIANCE PLAN FOR THREE CREEKS WETLAND RESTORATION PROJECT

CITY OF COLUMBUS, FRANKLIN COUNTY, OHIO
2025

SANITARY SEWER NOTE

CONNECTION TO SANITARY SEWER CANNOT BE MADE WITHOUT OBTAINING A PERMIT FROM SEWER PERMIT OFFICE AT 111 NORTH FRONT STREET, 1ST FLOOR (614) 645-7490

FOR DIVISION OF POWER

1. THE DIVISION OF POWER (DOP) MAY HAVE OVERHEAD AND UNDERGROUND PRIMARY, SECONDARY, AND STREET LIGHTING AT THIS WORK LOCATION. THE CONTRACTOR IS HEREBY REQUIRED TO CONTACT OHIO 811 (PREVIOUSLY OUPS) AT 811 OR 1-800- 362-2764 FORTY-EIGHT HOURS PRIOR TO CONDUCTING ANY ACTIVITY WITHIN THE CONSTRUCTION AREA.
2. ANY PROJECT, BOTH PUBLIC OR PRIVATE, WITH IMPACTS REQUIRING RELOCATION, SUPPORT, PROTECTION, OR ANY OTHER ACTIVITY CONCERNED WITH THE CITY'S ELECTRICAL FACILITIES IN THE CONSTRUCTION AREA IS TO BE PERFORMED BY THE CONTRACTOR UNDER THE DIRECTION OF DOP PERSONNEL AND AT THE EXPENSE OF THE PROJECT.
3. UNLESS PREVIOUSLY AUTHORIZED, DOP SHALL MAKE ALL FINAL CONNECTIONS TO DOP'S EXISTING ELECTRICAL SYSTEM AT THE EXPENSE OF THE PROJECT.
4. NO PERSON SHALL WORK ON DOP FACILITIES UNLESS THEY HAVE COMPLETED CONTRACTOR SAFETY ORIENTATION WITH DOP. ANY PERSON WORKING ON DOP FACILITIES ON LIVE CONDUCTORS OR CONDUCTORS THAT MAY BECOME LIVE SHALL COMPLY WITH DOP'S CONDUCTOR SAFETY POLICY (TDMIS-1603), HOLD CARD SYSTEM (TDMIS-1604) AND STREET LIGHT LOCK OUT TAG OUT PROCEDURE (MIS-1). PRIOR TO BEGINNING WORK ON DOP FACILITIES, EACH PERSON SHALL CONTACT DOP'S DISPATCH OFFICE AT 614-645-7627 AND PROVIDE THEIR NAME, PHONE NUMBER, LOCATION, DESCRIPTION OF WORK AND CIRCUIT NUMBER. AT COMPLETION OF WORK, EACH PERSON SHALL NOTIFY DOP'S DISPATCH OFFICE.
5. THE CONTRACTOR SHALL USE MATERIAL AND MAKE REPAIRS TO A CITY OF COLUMBUS STREET LIGHTING SYSTEM BY FOLLOWING DOP'S "MATERIAL AND INSTALLATION SPECIFICATIONS" (MIS) AND THE CITY OF COLUMBUS "CONSTRUCTION AND MATERIAL SPECIFICATIONS" (CMSC). ANY NEW OR RE-INSTALLED STREET LIGHT SYSTEM SHALL REQUIRE TESTING AS REFERRED TO IN SECTION 1001.18 OF THE CMSC MANUAL. CONTRACTORS WORKING ON STREET LIGHTING SHALL CONFORM TO DOP'S EXISTING STREET LIGHT LOCKOUT/TAGOUT (LTO) PROCEDURE, MIS-1, COPIES OF WHICH ARE AVAILABLE FROM DOP AND ON THE CITY WEBSITE.
6. EMERGENCIES: IF ANY ELECTRIC FACILITY BELONGING TO DOP IS DAMAGED IN ANY MANNER BY THE CONTRACTOR, ITS AGENTS, SERVANTS, OR EMPLOYEES, AND REQUIRES EMERGENCY REPAIRS, THE DOP DISPATCH OFFICE SHOULD BE CONTACTED IMMEDIATELY AT (614) 645-7627. DOP SHALL MAKE ALL NECESSARY REPAIRS, AND THE EXPENSE OF SUCH REPAIRS AND OTHER RELATED COSTS SHALL BE PAID BY THE CONTRACTOR TO THE DIVISION OF POWER, CITY OF COLUMBUS, OHIO.

CONSERVATION NOTE

THE CITY OF COLUMBUS SHALL BE GRANTED PERPETUAL REASONABLE ACCESS THERETO, IN, ON, OVER, UNDER, ACROSS, ABOVE, WITHIN, AND THROUGH THE PARK EASEMENT FOR CONSERVATION PURPOSES RELATED TO THE PROPOSED WETLAND AND UPLAND HABITAT AREA. THIS SHALL INCLUDE BUT NOT BE LIMITED TO STORMWATER STORAGE AND DRAINAGE, EROSION PROTECTION, FLOOD STORAGE, WATER QUALITY PROTECTION, AND PRESERVATION AS OPEN, NATURAL GREEN SPACE OR WOODLAND.

FEMA FLOODPLAIN DATA

THE WESTERN AND SOUTHERN PORTIONS OF THIS PROPERTY ARE LOCATED WITHIN REGULATORY FLOODWAY ZONE "AE" OF THE FIRM FLOOD INSURANCE RATE MAPS, COMMUNITY PANEL NOS. 39049C0341K AND 39049C0343K, WHICH BEAR AN EFFECTIVE DATE OF JUNE 17, 2008. THE CENTRAL AND EASTERN PORTIONS OF THIS PROPERTY ARE LOCATED WITHIN THE SPECIAL FLOOD HAZARD ZONE "AE" OF THE FIRM FLOOD INSURANCE RATE MAPS. THE NORTHEASTERN PORTION OF THIS PROPERTY IS LOCATED WITHIN 0.2% ANNUAL CHANCE FLOOD HAZARD AREA OF THE FIRM FLOOD INSURANCE RATE MAPS. ACCORDING TO FEMA PROVIDED CROSS-SECTIONS, THE BASE FLOOD ELEVATIONS (BFE) RANGE FROM 729.9 FT ON THE DOWNSTREAM LIMIT OF THE PROPERTY TO 733.6 FT ON THE UPSTREAM LIMIT OF THE PROPERTY. THE AVERAGE BFE OF THE PROPERTY IS 731.8 FT.

STREAM CORRIDOR PROTECTION ZONE NOTE

THE SCPZ AS SHOWN ON THIS PLAN SET IS SET TO THE FEMA DESIGNATED 100-YEAR FLOODWAY AS DEFINED IN THE CITY OF COLUMBUS STORMWATER DRAINAGE MANUAL, CURRENT EDITION, AND INCLUDES EXISTING WETLAND AREAS AS DELINEATED BY CEC ON JUNE 2024. MODIFICATIONS TO THIS BOUNDARY WILL BE REQUIRED FOR THIS PROJECT TO INCLUDE PROPOSED WETLAND FOOTPRINT. BOUNDARY EXTENTS SHALL BE REVIEWED AND APPROVED BY BUILDING & ZONING.

WORK WITHIN THE 100-YR FLOODPLAIN

WORK WITHIN THE 100-YR FLOODPLAIN WILL RESULT IN 6,135 CY OF CUT AND 2,219 CY OF FILL, WITH A NET CUT OF 3,916 CY. SEE CC PLAN NO. CC-20633.

EXPIRATION NOTE

DATE OF EXPIRATION: PLAN IS VALID FOR ONE (1) YEAR FROM DATE OF APPROVAL.

REFERENCES

1. EXISTING TOPOGRAPHIC SURVEY COLLECTED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. IN JUNE 24, 2024 AND SUPPLEMENTED WITH OGRIIP LIDAR DATA COLLECTED IN MAY 2024. ELEVATIONS ARE BASED ON A NGS OPUS-S SOLUTION USING O.D.O.T. CORS NETWORK, OHIO SOUTH ZONE NAD 83 (2011 ADJUSTMENT), NAVD 88 (OEDD 18) DATUM.
2. EXISTING UTILITIES OUTSIDE THE PROJECT AREA BASED ON AVAILABLE CITY OF COLUMBUS GIS DATA.
3. PARCELS, WATERWAY EXTENTS, TRAILS, ROADWAYS, ETC ARE BASED ON CITY OF COLUMBUS GIS DATA COLLECTED IN 2016.
4. FLOODWAY AND FLOODPLAIN BOUNDARIES BASED ON FEMA MSC COLLECTED IN JULY 2024.

ENGINEER/SURVEYOR

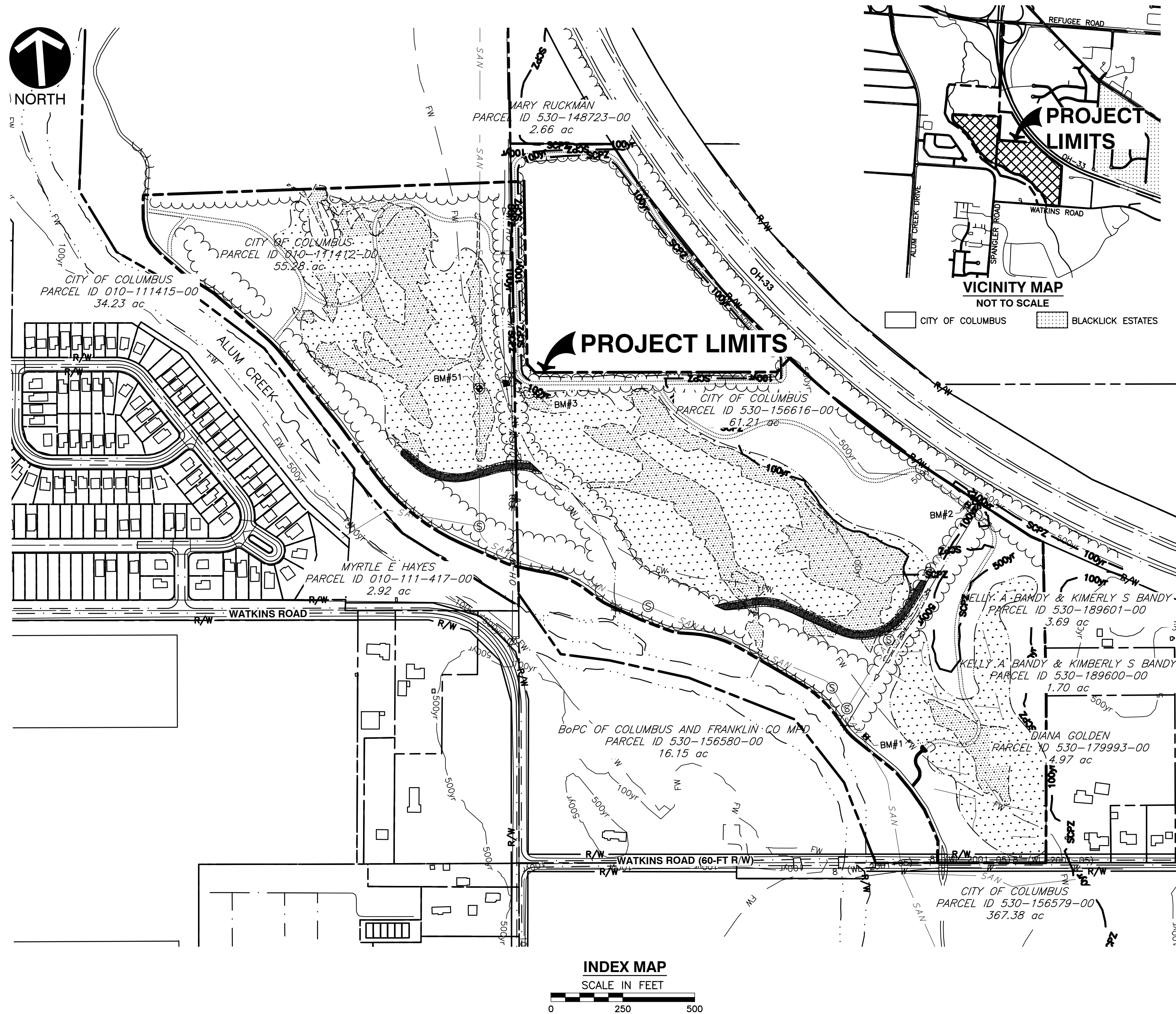
CIVIL & ENVIRONMENTAL CONSULTANTS, INC.
250 W. OLD WILSON BRIDGE ROAD, SUITE 250
WORTHINGTON, OHIO 43085
CONTACT: JESSICA LOOPER, PE
TITLE: PROJECT MANAGER
PHONE: (614) 310-0175
EMAIL: JLOOPER@CECINC.COM

APPLICANT

CITY OF COLUMBUS
RECREATION AND PARKS DEPARTMENT
1111 EAST BROAD STREET
COLUMBUS, OH 43205
CONTACT: KELLY MESSER, PE
TITLE: PROJECT MANAGER
PHONE: (614) 816-1875
EMAIL: KNMESSER@COLUMBUS.GOV

SITE ADDRESS

3086 WATKINS ROAD
COLUMBUS, OHIO 43207



PROJECT INFORMATION

SCOPE OF WORK

THE PROPOSED PROJECT WILL PROVIDE HABITAT RESTORATION AND FLOODPLAIN AND WATER QUALITY ENHANCEMENT THROUGH THE CREATION AND RESTORATION OF WETLANDS AT THE THREE CREEKS METRO PARK.

PARCEL DATA

STREET ADDRESS: REFUGEE ROAD
COLUMBUS, OHIO 43207

PARCEL: 010-111412-00
PARCEL SIZE: 55.28 ACRES+/-
ZONING APPLICATION NUMBER: 788
ZONING: RRR
GENERAL ZONING CATEGORY: RESIDENTIAL
HEIGHT DISTRICT: H-35

STREET ADDRESS: 3086 WATKINS ROAD
COLUMBUS, OHIO 43207

PARCEL: 530-156616-00
PARCEL SIZE: 61.21 ACRES+/-
ZONING APPLICATION NUMBER: ANNEX3734
ZONING: R1
GENERAL ZONING CATEGORY: RESIDENTIAL
HEIGHT DISTRICT: H-35

ZONE SETBACKS:
ZONING: 50' MIN.
SIDE: 25' MIN.
REAR: 50' MIN.
PARKING: 25' TYP.

SITE DATA

SITE TOTAL ACREAGE: 66.47 AC
TOTAL DISTURBED ACREAGE: 35.24 AC
PRE DEVELOPED IMPERVIOUS AREA: 0.95 AC
PRE DEVELOPED % IMPERVIOUS AREA: 1.43%
POST DEVELOPED IMPERVIOUS AREA: 0.98 AC
POST DEVELOPED % IMPERVIOUS AREA: 1.47%
TOTAL IMPERVIOUS AREA ADDED: 1.240 SF
CANOPY IMPACTED: 1.61 AC*
CANOPY TO BE RESTORED: 48.94 AC
*SEE PUBLIC TREE PLAN FOR INDIVIDUAL TREE REMOVAL.

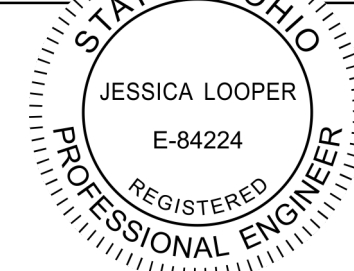
REFUSE DATA

CONTAINER TYPE DUMPSTER (PRIVATE)

NOTE:

THE PROPOSED PROJECT WILL COMPLY WITH SECTIONS 3312.15 & 3321.01 DUMPSTER AREA; AND 3321.05 VISION CLEARANCE.

SHEET INDEX TABLE	
SHEET NUMBER	SHEET TITLE
1	COVER SHEET
2	EXISTING SITE PLAN
3	PROPOSED SITE PLAN
4	PROPOSED ADA PATH AND OVERLOOK PLAN



TRACKING NUMBER:
84224
NUMBER
2025-08-04
DATE

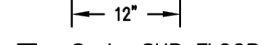
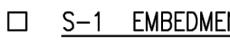
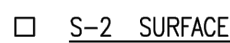
THIS IS TO CERTIFY THAT GOOD ENGINEERING PRACTICES HAVE BEEN UTILIZED IN THE DESIGN OF THIS PROJECT AND THAT ALL MINIMUM STANDARDS AS DELINEATED BY THE CITY OF COLUMBUS STANDARDS HAVE BEEN MET, INCLUDING THOSE STANDARDS GREATER THAN MINIMUM WHERE, IN MY OPINION, THEY ARE NEEDED TO PROTECT THE SAFETY OF THE PUBLIC. THE SITE PLAN IS VALID FOR ONE (1) YEAR PERIOD FROM DATE OF APPROVAL, UNLESS A BUILDING PERMIT HAS BEEN OBTAINED.

FINAL SITE COMPLIANCE PLAN # 25345-00398					
DPS IMPROVEMENTS IN THE RIGHT-OF-WAY			NO DPS IMPROVEMENTS IN THE RIGHT-OF-WAY		OTHER ASSOCIATED PLANS
DRAWER E #	OR	STORM CC #	OR	R/W PERMIT	N/A
		CC-20633		X	

THREE CREEKS WETLAND
RESTORATION PROJECT
3086 WATKINS ROAD, CITY OF COLUMBUS, OHIO

1
4

P:\140-2021\340-8791-COVID\DWG\CCOL_FLOOD-CONSERVATION\1 COVER SHEET 15-0625-84224-2025 6:24:29 PM -- LP: 8/4/2025 6:25:06 PM

 $\frac{1}{4}$ 

☐ 6' BENCH

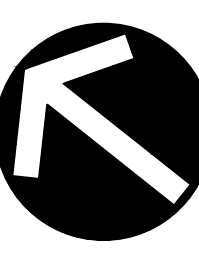
☐ 8' BENCH

☐ 'C' & BTR. DOUGLAS FIR KD S4S EE
☐ IPE S4S EE
☐ OTHER

- 1.) ALL STL. MEMBERS COATED W/ ZINC RICH EPOXY THEN FINISHED W/ POLYESTER POWDER COATING.
- 2.) 1/2" X 3 3/4" ANCHOR BOLTS PROVIDED FOR S-2, S-3 & S-4 OPTIONS.

2

NOT TO SCALE



- ### LEGEND

- *NOT TO SCALE

1. CONTOURS FOR EXISTING TOPOGRAPHY ARE REPRESENTED IN 1.0' INTERVALS. CONTOURS FOR PROPOSED GRADING ARE REPRESENTED IN 0.2' INTERVALS FOR MICROTOPOGRAPHY.
2. DRAIN TILE LOCATIONS BASED ON AERIAL IMAGERY. CONTRACTOR SHALL FIELD VERIFY.

1. EXISTING TOPOGRAPHIC SURVEY COLLECTED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. IN JUNE 2024 AND SUPPLEMENTED WITH OSRP LIDAR DATA COLLECTED IN MAY 2024. ELEVATIONS ARE BASED ON A NOS OPUS-S NAVIGATION USING O.D.O.T. CORRS NETWORKS (H04 SOUTH ZONE NAD 83 (2011 ADJUSTMENT), NAD 88 (GEOD 18) DATUM).
2. EXISTING UTILITIES OUTSIDE THE PROJECT AREA BASED ON AVAILABLE CITY OF COLUMBUS GIS DATA.
3. PARCELS, WATERWAY EXTENTS, TRAILS, ROADWAYS, ETC ARE BASED ON CITY OF COLUMBUS GIS DATA COLLECTED IN 2016.
4. FLOODWAY AND FLOODPLAIN BOUNDARIES BASED ON FEMA MSC COLLECTED IN JULY 2024.

PUBLIC TREE PLAN
FOR
THREE CREEKS WETLAND RESTORATION
PROJECT

CITY OF COLUMBUS, FRANKLIN COUNTY, OHIO

2025

PROJECT INFORMATION

SCOPE OF WORK

THE PROPOSED PROJECT WILL PROVIDE HABITAT RESTORATION AND FLOODPLAIN AND WATER QUALITY ENHANCEMENT THROUGH THE CREATION AND RESTORATION OF WETLANDS AT THE THREE CREEKS METRO PARK.

PARCEL DATA

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COLUMBUS, OHIO 43207

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ZONING: 50' MIN.
SIDE: 25' MIN.
REAR: 50' MIN.
PARKING: 25' TYP.

REFUSE DATA
CONTAINER TYPE: DUMPSTER (PRIVATE)

NOTE:
THE PROPOSED PROJECT WILL COMPLY WITH SECTIONS 3312.15 & 3321.01 DUMPSTER AREA; AND3321.05 VISION CLEARANCE.

SITE DATA TABLE

TOTAL SITE ACREAGE:	66.47 AC
TOTAL DISTURBED ACREAGE:	35.24 AC (0.01 AC WITHIN R/W)
DISTURBED IMPERVIOUS AREA:	0.00 AC (0.0 AC WITHIN R/W)
DISTURBANCE WITHIN R/W:	0.01 AC (CONSTRUCTION ENTRANCE)
PRE DEVELOPED IMPERVIOUS SITE AREA:	0.95 AC
PRE DEVELOPED % IMPERVIOUS SITE AREA:	1.43%
POST DEVELOPED IMPERVIOUS SITE AREA:	0.98 AC
POST DEVELOPED % IMPERVIOUS SITE AREA:	1.47%
NET CHANGE IN IMPERVIOUS SITE AREA:	1,460 SF

WORK WITHIN THE 100-YR FLOODPLAIN

WORK WITHIN THE 100-YR FLOODPLAIN WILL RESULT IN 6,135 CY OF CUT AND 2,219 CY OF FILL, WITH A NET CUT OF 3,916 CY. THE CUT AND FILL VOLUMES ARE SHOWN WITHIN THE TABLE BELOW, AND DETAILS OF HOW THESE VOLUMES WERE CALCULATED CAN BE FOUND ON SHEET 16.

FLOODPLAIN CUT/FILL QUANTITIES		
CUT (CY)	FILL (CY)	NET (CY)
6135	2219	-3916

OWNER/DEVELOPER

CITY OF COLUMBUS
RECREATION AND PARKS DEPARTMENT
1111 EAST BROAD STREET
COLUMBUS, OH 43205
CONTACT: KELLY MESSER, PE
TITLE: PROJECT MANAGER
PHONE: (614) 816-1875
EMAIL: KNMESSER@COLUMBUS.GOV

ENGINEER/SURVEYOR

CIVIL & ENVIRONMENTAL CONSULTANTS, INC.
8800 LYRA DRIVE, SUITE 300
COLUMBUS, OHIO 43240
CONTACT: JESSICA LOOPER, PE
TITLE: PROJECT MANAGER
PHONE: (614) 310-0175
EMAIL: JLOOPER@CECINC.COM

ARBORIST

CIVIL & ENVIRONMENTAL CONSULTANTS, INC.
8800 LYRA DRIVE, SUITE 300
COLUMBUS, OHIO 43240
BRADLEY PETRU, MS, JPWS, ISA-CA MA-5819A
TITLE: PRINCIPAL
PHONE: (614) 310-0175
EMAIL: BPETRU@CECINC.COM

BENCHMARKS (NAVD88) ♦

THE NORTHING AND EASTING SHOWN ARE APPROXIMATE AND ONLY INTENDED TO PROVIDE RECOVERY OF THE BENCHMARK. THESE COORDINATES ARE NOT INTENDED TO BE USED FOR THE HORIZONTAL CONTROL OF THE PROJECT. THE HORIZONTAL CONTROL FOR THE PROJECT SHALL BE CONTROLLED BY THE MONUMENTS FOUND OR SET BY A PROFESSIONAL SURVEYOR.

EXISTING TOPOGRAPHIC SURVEY COLLECTED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. IN JUNE 2024 AND SUPPLEMENTED WITH OGRIP LIDAR DATA COLLECTED IN MAY 2024. ELEVATIONS WERE DETERMINED USING STATIC GPS OBSERVATIONS PERFORMED ON JUNE 24 OF THE YEAR 2024 AS BASED ON A NGS OPUS-S SOLUTION USING O.D.O.T. CORS NETWORK, OHIO SOUTH ZONE 83 (GEOD 18) DATUM.

BENCHMARK 1:
TOP OF A 5/8" SOLID REBAR THIRTY INCHES IN LENGTH WITH A YELLOW PLASTIC CAP BEARING THE INITIALS "CEC INC.". BASED ON AN NGS OPUS-S SOLUTION USING O.D.O.T. CORS NETWORK, OHIO SOUTH ZONE NAD 83 (2011 ADJUSTMENT) NAVD 88 (GEOD 18) DATUM.
ELEVATION: 730.35

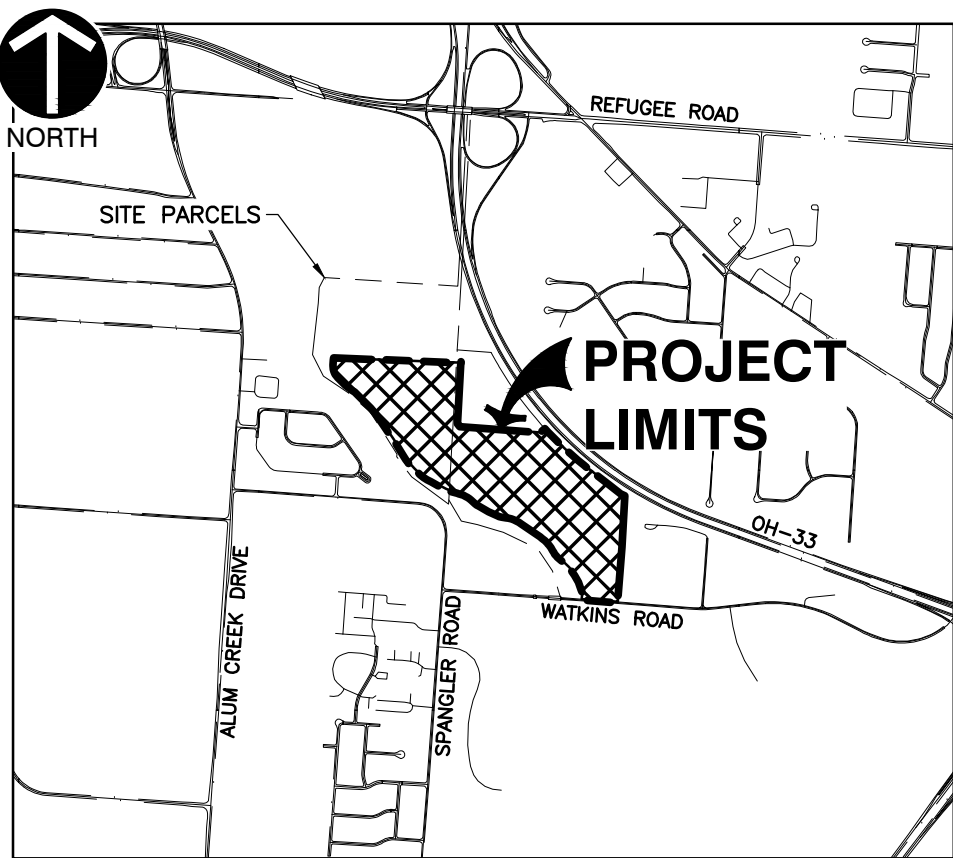
BENCHMARK 2:
TOP OF A 5/8" SOLID REBAR THIRTY INCHES IN LENGTH WITH A YELLOW PLASTIC CAP BEARING THE INITIALS "CEC INC.". BASED ON AN NGS OPUS-S SOLUTION USING O.D.O.T. CORS NETWORK, OHIO SOUTH ZONE NAD 83 (2011 ADJUSTMENT) NAVD 88 (GEOD 18) DATUM.
ELEVATION: 731.30

BENCHMARK 3:
TOP OF A 5/8" SOLID REBAR THIRTY INCHES IN LENGTH WITH A YELLOW PLASTIC CAP BEARING THE INITIALS "CEC INC.". BASED ON AN NGS OPUS-S SOLUTION USING O.D.O.T. CORS NETWORK, OHIO SOUTH ZONE NAD 83 (2011 ADJUSTMENT) NAVD 88 (GEOD 18) DATUM.
ELEVATION: 728.73

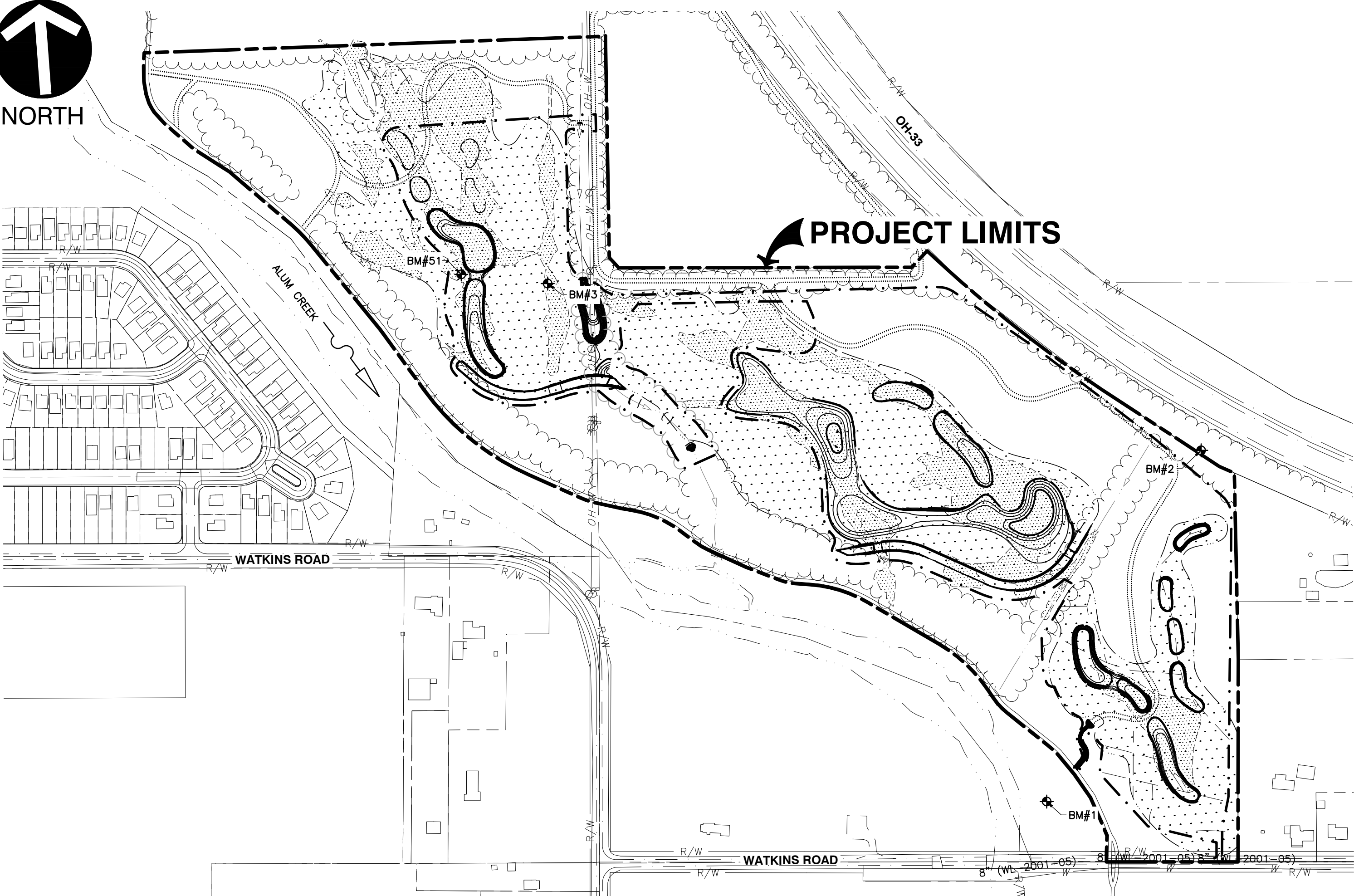
BENCHMARK 51:
CHISELED "X" ON THE WESTERN EDGE OF THE RIM OF MANHOLE ID 0100S0010 LOCATED SOUTHWEST OF THE EXISTING STORMWATER POND..
ELEVATION: 733.59

REFERENCES

- EXISTING TOPOGRAPHIC SURVEY COLLECTED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. IN JUNE 24, 2024 AND SUPPLEMENTED WITH OGRIP LIDAR DATA COLLECTED IN MAY 2024. ELEVATIONS ARE BASED ON A NGS OPUS-S SOLUTION USING O.D.O.T. CORS NETWORK, OHIO SOUTH ZONE NAD 83 (2011 ADJUSTMENT), NAVD 88 (GEOD 18) DATUM.
- EXISTING UTILITIES OUTSIDE THE PROJECT AREA BASED ON AVAILABLE CITY OF COLUMBUS GIS DATA.
- PARCELS, WATERWAY EXTENTS, TRAILS, ROADWAYS, ETC ARE BASED ON CITY OF COLUMBUS GIS DATA COLLECTED IN 2016.
- FLOODWAY AND FLOODPLAIN BOUNDARIES BASED ON FEMA MSC COLLECTED IN JULY 2024.

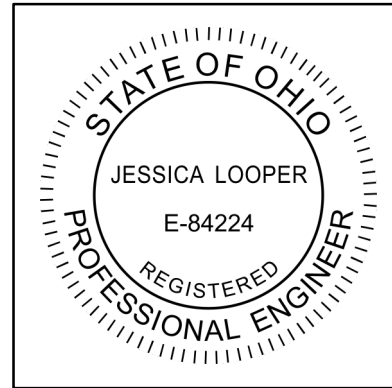
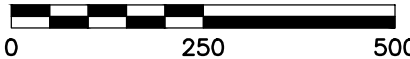


VICINITY MAP
1" = 2,000'



INDEX MAP

SCALE IN FEET



PRELIMINARY SITE COMPLIANCE PLAN: 24601-00154
STORM CC PLAN: CC-20633
WATER SERVICE PLAN: N/A
FINAL SITE COMPLIANCE PLAN: TBD

BY: DATE: 2025-08-04
JESSICA LOOPER
OHIO REGISTRATION NO. 84224



LAB: JKL
DRAWN BY: JKL
CHECKED BY: BJP
APPROVED BY: BJP
PROJECT NO: 340-879
DATE: JULY 2025

SCALE IN FEET
0 250 500

8800 Lyra Drive
Suite 300
Columbus, OH 43240
Ph: 614.540.6633
www.cecinc.com



COVER SHEET

THREE CREEKS WETLAND
RESTORATION PROJECT
3086 WATKINS ROAD, CITY OF COLUMBUS, OHIO

P:\140-200\140-0791-CADD\DWG\LOCAL_TREE PLAN\140B79-CC04-CONVEZAMP2_GENERAL NOTES\LS-CLORDER - 6/4/2025 5:56:14 PM - LP - 6/4/2025 6:13:13 PM

PUBLIC TREE PROTECTION NOTE

ALL PUBLIC TREES AND THE GROUND IN THE CRITICAL ROOT ZONE, WHETHER SHOWN OR NOT SHOWN ON THE PLANS, ARE TO BE PROTECTED UNLESS A PERMIT TO REMOVE IS GIVEN BY COLUMBUS RECREATION & PARKS (CRPD) FORESTRY. THE CONTRACTOR SHALL PROTECT TREES NEAR OR ADJACENT TO THE WORK AREA TO AVOID DAMAGE TO ALL TREES THAT ARE TO REMAIN. HEAVY EQUIPMENT WILL NOT BE ALLOWED TO COMPACT THE SOIL OVER THE CRITICAL ROOT ZONE OF EXISTING PUBLIC TREES. RESTRICTED EQUIPMENT ACCESS ROUTES SHALL BE COORDINATED WITH CRPD FORESTRY AT FORESTRY@COLUMBUS.GOV BEFORE WORK BEGINS. TEMPORARY PAVING MATERIALS, SUCH AS PLYWOOD, LUMBER OR RUBBER MATTING, SPREAD OVER THE ROOT ZONE OF PUBLIC TREES MAY BE REQUIRED TO PREVENT COMPACTION. CONSTRUCTION MATERIALS, EXCAVATION DEBRIS, FUEL, EQUIPMENT, OR VEHICLES ARE NOT TO BE STOCKPILED, STORED, DUMPED, OR PARKED WITHIN THE CRITICAL ROOT ZONE OF PUBLIC TREES. ALL TREES MUST BE PROTECTED AGAINST INJURY OR DAMAGE TO BRANCHES, TRUNKS, OR ROOTS FROM CONSTRUCTION AND EXCAVATION, AS DESCRIBED IN THE CRPD TREE TECHNICAL MANUAL. IF THERE IS A QUESTION REGARDING TREE PROTECTION NEEDS, THE CONTRACTOR MUST CONTACT THE CITY FORESTRY SECTION AT FORESTRY@COLUMBUS.GOV.

PUBLIC TREE IMPACT NOTE

ANY WORK ON OR WITHIN THE CRITICAL ROOT ZONE OF A PUBLIC TREE IS CONSIDERED AN IMPACT TO THE PUBLIC TREE. A PUBLIC TREE PLAN AND PERMIT FROM COLUMBUS RECREATION & PARKS FORESTRY IS REQUIRED FOR ANY PLAN WITH PUBLIC TREES IN THE WORK LIMITS. THE PUBLIC TREE PLAN SHALL DENOTE ALL PUBLIC TREES IN THE PROJECT'S WORK LIMITS. TREE INFORMATION SHALL CONFORM TO THE COLUMBUS TREE TECHNICAL MANUAL REQUIREMENTS AND BE PROVIDED BY A NATURAL RESOURCE PROFESSIONAL. FAILURE TO CONTACT THE CITY FORESTRY REPRESENTATIVE IN ADVANCE OF CONSTRUCTION WILL RESULT IN THE CONTRACTOR REIMBURSING FORESTRY FOR THE COST OF ANY AND ALL DAMAGE TO PUBLIC TREES.

PUBLIC TREE REMOVAL AND MITIGATION NOTE

NO PUBLIC TREE REMOVAL SHALL BE ATTEMPTED BY CONSTRUCTION PERSONNEL OR EQUIPMENT, ONLY UNDER THE SUPERVISION OF A CERTIFIED ARBORIST. ALL TREES REMOVED SHALL INCLUDE STUMP REMOVAL GROUND TO 18 INCHES; IF THE REMOVED TREE IS WITHIN 36" OF A PROTECTED TREE THE STUMP SHALL ONLY BE GROUND TO 2" DEPTH. ALL WOOD DEBRIS ON CITY OF COLUMBUS PROPERTY SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR BY THE END OF EACH WORK DAY. TREES APPROVED FOR REMOVAL BY CRPD FORESTRY SHALL BE MITIGATED IN ACCORDANCE WITH THE COLUMBUS TREE TECHNICAL MANUAL AND COLUMBUS CITY CODES CHAPTER 912.

FORESTRY PERMIT NOTE

ANY WORK ON OR WITHIN THE CRITICAL ROOT ZONE OF A PUBLIC TREE REQUIRES A FORESTRY PERMIT. ALL APPLICABLE FEES MUST BE PAID PRIOR TO PERMIT ISSUANCE. REFER TO THE CRPD TREE TECHNICAL MANUAL FOR TREE REMOVAL, PRUNING, PROTECTION, AND MITIGATION STANDARDS.

OAK WILT NOTE

TO PREVENT THE SPREAD OF OAK WILT, A FUNGAL DISEASE, OAK TREE SHALL ONLY BE PRUNED FROM NOVEMBER 1 TO MARCH 1.

COLUMBUS RECREATION AND PARKS DEPARTMENT GREENWAY TRAIL NOTE

ALL ACTIVITIES THAT MAY BE ADJACENT TO, MAY POTENTIALLY DISTURB A COLUMBUS RECREATION & PARKS DEPARTMENT (CRPD) TRAIL, AND/OR HAVE ANY IMPACTS TO NORMAL TRAIL FLOW REQUIRE COORDINATION WITH CRPD'S NON-PARK USE PROGRAM AT CRPD.NPUP@COLUMBUS.GOV. ACCESS OR USE OF GREENWAY TRAILS FOR ANY NON-PARK USE IS NOT GRANTED OR IMPLIED UNLESS A NON-PARK USE APPLICATION HAS BEEN SUBMITTED, APPROVED, AND HAS A PERMIT ISSUED. ONCE APPROVED, THE CONTRACTOR SHALL CONTACT THE NPUP POINT OF CONTACT THIRTY (30) CALENDAR DAYS PRIOR TO ANY WORK COMMENCING FOR ONSITE COORDINATION, ONSITE MEETING, SIGNAGE, TRAFFIC CONTROL DETOUR PLAN, RESTORATION PLAN, DISTURBANCE AND/OR CLEARING LIMIT REVIEW. THE CONTRACTOR SHALL SUBMIT A VEHICLE/EQUIPMENT TRAFFIC PLAN INCLUDING IDENTIFICATION NUMBERS, TYPE OF VEHICLE/EQUIPMENT, AND WEIGHT OF VEHICLE/EQUIPMENT TO BE USED PRIOR TO THE START OF WORK. ONLY VEHICLES/EQUIPMENT APPROVED BY CRPD IN WRITING SHALL BE PERMITTED ON THE TRAIL. ADDITIONALLY, EXISTING TRAIL CONDITION MUST BE DOCUMENTED THROUGH PICTURES OR VIDEO BEFORE WORK BEGINS. IF THE TRAIL IS DAMAGED BY CONTRACTOR USE THE CONTRACTOR MUST REPAIR THE TRAIL BACK TO CONDITIONS THAT MEET OR EXCEED EXISTING CONDITIONS.

COLUMBUS RECREATION AND PARKS DEPARTMENT STANDARD PLAN NOTE

PRIOR TO SUBMISSION OF FINAL SITE COMPLIANCE PLAN, ANY ENTITY REQUESTING NON-PARK USE/DEVELOPMENT MUST SUBMIT A NON-PARK USE OF PARKLAND (NPUP) APPLICATION TO CRPD PROPERTY MANAGER TINA MOHN AT TMMOHN@COLUMBUS.GOV TO SECURE A PERMIT TO ENTER CRPD PROPERTY. THE CONTRACTOR SHALL CONTACT COLUMBUS RECREATION & PARKS DEPARTMENT'S (CRPD) INSPECTOR, KEITH MAY, AT KAMAY@COLUMBUS.GOV THIRTY (30) CALENDAR DAYS PRIOR TO ANY WORK ON OR NEAR CRPD PROPERTY. THE CONTRACTOR SHALL SUBMIT A WORK SCHEDULE AND COORDINATE ACCESS WITH CRPD INSPECTOR PRIOR TO ANY WORK ON OR NEAR CRPD PROPERTY. SCHEDULED EVENTS BY CRPD SHALL TAKE PRECEDENCE OVER THE CONTRACTOR'S WORK SCHEDULE, AND THE CONTRACTOR SHALL ADJUST WORK SCHEDULE AS NECESSARY. THE CONTRACTOR SHALL NOT ENTER INTO A CRPD PROPERTY NOR STAGE/STORE ANY MATERIALS OR EQUIPMENT OUTSIDE THEIR WORK LIMITS ON CRPD PROPERTY WITHOUT A PERMIT OR ISSUED BY CRPD. THE PERMIT MUST BE POSTED ONSITE AT ALL TIMES. ANY AND ALL CRPD PARK AREAS DISTURBED BY THE CONTRACTOR DURING THE COURSE OF THEIR WORK ACTIVITIES SHALL BE RESTORED TO CONDITIONS THAT MEET OR EXCEED EXISTING CONDITIONS WITHIN THE TIME FRAMES NOTED IN THE APPROVED SCHEDULE AND SHALL BE TO THE SATISFACTION OF CRPD. UNLESS SPECIFIC PERMISSIONS ARE GRANTED BY CRPD, ACCESS TO, FROM, ON, OVER, UNDER, THOUGH, OR ACROSS CRPD PROPERTY IS NOT GRANTED OR IMPLIED. FAILURE TO HAVE A PERMIT IN PLACE THAT IS CONSISTENT WITH CRPD NPUP POLICY WILL RESULT IN DELAY OF FINAL SITE COMPLIANCE APPROVAL SIGNATURE BY RECREATION & PARKS/CITY FORESTER.

GENERAL PLANTING NOTES

1. THE PLANTING SHOULD BE COMPLETED ACCORDING TO THE PLAN AND SPECIFICATIONS THAT HAVE BEEN PROVIDED IN THE CONSTRUCTION PACKAGE. ALL SPECIFICATIONS CAN BE MODIFIED AND/OR ADJUSTED DEPENDING ON SITE-SPECIFIC CONDITIONS AND/OR PLANT AVAILABILITY UPON APPROVAL FROM THE PROJECT ENGINEER/ECOLOGIST.
2. SIMILAR SUBSTITUTE PLANT SPECIES CAN BE USED IF THE SPECIFIED SPECIES ARE NOT AVAILABLE. SUBSTITUTE SPECIES MUST BE APPROVED BY THE PROJECT ENGINEER/ECOLOGIST.
3. PLANTING AND SEEDING OUTSIDE THIS TIME PERIOD MUST BE PRE-APPROVED BY ENGINEER/ECOLOGIST. ADDITIONAL QUANTITY OF WORK (I.E., WATERING, MULCHING) AND PLANT SURVIVAL OF SPECIMENS PLANTED OUTSIDE OF THESE DATES WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
4. INSTALLER MUST HAVE EXPERIENCE SUCCESSFULLY COMPLETING PLANTING PROJECTS SIMILAR IN SIZE AND COMPLEXITY TO THIS PROJECT. INSTALLER TO MAINTAIN AN EXPERIENCED FULL-TIME SUPERVISOR ON THE PROJECT SITE WHEN PLANTING IS IN PROGRESS THAT SHALL ACT AS THE PRIMARY POINT OF CONTACT.
5. PLANT HANDING AND INSTALLATION SHOULD BE PERFORMED BY A CONTRACTOR WITH EXPERIENCE IN LANDSCAPING AND PLANT PROPAGATION FOR WETLAND MITIGATION, REFORESTATION, AND/OR ECOLOGICAL RESTORATION WORK.

QUALITY

1. THE SUPPLIER OF ALL SEEDS AND WOODY VEGETATION SHALL CERTIFY THAT ORIGIN OF THE SEEDS FROM WHICH THE PLANTS OR SEEDS WERE PRODUCED IS FROM HARDINESS ZONES 5, 6, OR 7, FROM THE EASTERN OR CENTRAL PORTIONS OF THE U.S., PRIOR TO PLANTING.
2. STOCK FURNISHED SHALL BE AT LEAST THE MINIMUM SIZE INDICATED. LARGER STOCK IS ACCEPTABLE AS LONG AS QUALITY AND VARIETY IS MAINTAINED AND DOES NOT PRESENT PROBLEMS WITH THE INSTALLATION PROCESS.
3. QUANTITY REQUIREMENTS SHALL BE SATISFIED REGARDLESS OF PLANT STOCK SIZE.

PRODUCT HANDLING, STORAGE, AND DELIVERY

1. THE PLANT INSTALLATION CONTRACTOR IS RESPONSIBLE FOR MORTALITY AND REPLACEMENT BETWEEN RECEIVING DELIVERY AND INSTALLATION.
2. DELIVERY
 - 2.1. ALL PLANT MATERIAL SHALL BE TRANSPORTED AND STORED IN SUCH A WAY TO PREVENT ANY PHYSICAL DAMAGE.
3. TEMPORARY STORAGE
 - 3.1. HANDLE ALL PLANT STOCK SO THAT THE ROOTS OR ROOT-BALLS ARE ADEQUATELY PROTECTED FROM BREAKAGE, DIRECT SUN, WARM AIR, AND DRYING WINDS. CONTAINERIZED STOCK SHOULD BE WATERED FREQUENTLY TO KEEP SOIL MOIST. PLANTS WITH DRIED OUT TOPS OR ROOTS SHALL BE REJECTED.
 - 3.2. PROTECT BARK, BRANCHES, AND ROOT SYSTEMS FROM SUN SCALD, DRYING, SWEATING, WHIPPING, STRONG WINDS, AND OTHER HANDLING AND TYING DAMAGE.
 - 3.3. DO NOT BEND OR BIND-TIE TREES OR SHRUBS IN SUCH A MANNER AS TO DESTROY THEIR NATURAL SHAPE. PROVIDE PROTECTIVE COVERING OF PLANTS DURING DELIVERY. DO NOT DROP PLANTS DURING DELIVERY.
 - 3.4. PRUNE ROOT STOCK AS NECESSARY BEFORE INSTALLATION.
 - 3.5. IF PLANTING IS DELAYED MORE THAN 6 HOURS AFTER DELIVERY, SET PLANT MATERIALS IN SHADE, PROTECT FROM WEATHER AND MECHANICAL DAMAGE, AND KEEP ROOTS MOIST AND FREE FROM FROST.

MATERIALS

1. PLANTS
 - 1.1. PLANT MATERIALS WILL BE HEALTHY AND FREE OF DISEASE, PESTS, MECHANICAL INJURY AND STRESS. PLANTS WITH LEAVES AND SHOOTS WILL APPEAR HEALTHY, WITH NO LEAF SPOTS, LEAF DISCOLORATIONS, CHLOROSIS, LEAF WILTING OR CURLING, OR EVIDENCE OF INSECT INFESTATION. PLANTS WILL EXHIBIT NORMAL PHYSICAL AND GROWTH CHARACTERISTICS TYPICAL OF THE SPECIES.
 - 1.2. ROOTS SHALL NOT BE POT BOUND.
 - 1.3. CONTAINER-GROWN PLANTS WILL BE FULLY ROOTED IN THE SOIL POTTING MEDIUM WITHOUT GIRDLING OF PRIMARY ROOTS.
 - 1.4. PLANT SPECIES SHALL MEET THOSE LISTED ON THIS PLAN SET UNLESS APPROVED OTHERWISE.
2. SEED
 - 2.1. SEED SHALL NOT BE WET, MOLDY, OR OTHERWISE DAMAGED FROM TRANSIT OR STORAGE. SEED SHOULD BE CLEAN AND DRY.
 - 2.2. SEED MIXES SHALL MEET THOSE LISTED ON THIS PLAN SET UNLESS APPROVED OTHERWISE.
3. LIVE STAKES
 - 3.1. COMMERCIALY SUPPLIED OR FIELD HARVESTED LIVE STAKES SHALL BE AT LEAST ONE YEAR OLD, AND SHALL BE HARVESTED AND TRANSPORTED WHEN PLANTS ARE DORMANT (NOVEMBER 1 – MARCH 1).
 - 3.2. THE SIZE OF STAKES SHALL RANGE FROM 1/2 INCH TO 1 INCH IN CALIPER AND AVERAGE 24 INCHES IN LENGTH WITH A MINIMUM PLANTED LENGTH OF 18 INCHES.

SITE PREPARATION

1. EXISTING AREAS WITH SUBSTANTIAL COVERAGE OF UNDESIRABLE GRASS SPECIES SHALL BE SPRAYED WITH GLYPHOSATE (ROUNDUP ® OR APPROVED EQUAL), SURFACTANT, AND AMMONIUM SULFATE MIX AT A RATE OF 1 QUART GLYPHOSATE PER ACRE, 7 OUNCES OF SURFACTANT, AND 17 POUNDS PER 100 GALLONS OF WATER OF AMMONIUM SULFATE. COOL SEASON GRASS ERADICATION REQUIRES ONE APPLICATION IN THE FALL AND ONE IN THE SPRING. GRASS SHOULD BE ALLOWED TO GROW 6 INCHES, EITHER AFTER MOWING OR FROM SPRING GROWTH, TO WEAKEN THE PLANT AND PROVIDE MAXIMUM SURFACE AREA FOR APPLICATION.
2. COMPACTED SOIL SHALL BE RAKED, DISKED, OR AMENDED AS NECESSARY TO FACILITATE WATER INFILTRATION AND ROOT GROWTH.
3. EXAMINE THE SUBGRADE AND TOPSOIL, VERIFY THE ELEVATIONS, AND OBSERVE THE CONDITIONS UNDER WHICH WORK IS TO BE PERFORMED.
4. ALL SOIL AMENDMENTS AND CONDITIONING SHALL BE COMPLETED PRIOR TO SEEDING AND PLANT MATERIAL INSTALLATION. DO NOT PROCEED WITH INSTALLATION UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED IN A MANNER ACCEPTABLE TO THE INSTALLER.
5. SPECIES SHOULD BE PLANTED IN AREAS OF APPROPRIATE SOIL MOISTURE, AND HABITAT TYPE (UPLAND VS. WETLAND) BUT OTHERWISE IN A RANDOM FASHION INTERMIXING TREES AND SHRUBS.

6. SOIL MEDIUM FOR PLANTING SHALL BE FREE OF ANY ROCK FRAGMENTS LARGER THAN TWO INCHES IN SIZE, OR LARGE WOODY DEBRIS FRAGMENTS, AND BE COMPRISED PREDOMINANTLY OF LOAM TO SILTY CLAY LOAM SOILS.
7. CONTRACTOR SHALL ENSURE GROUND IS NOT FROZEN OR PRONE TO FROST, SNOW, OR DROUGHT AND AMBIENT AIR TEMPERATURES WILL REMAIN BELOW 70 DEGREES FAHRENHEIT (AVERAGE) DURING THE SELECTED SEEDING AND PLANTING OPERATIONS.

SEEDING

1. SEEDING SHALL BE PERFORMED BETWEEN NOVEMBER 1 THROUGH APRIL 31 OF ANY GIVEN YEAR. REFER TO TEMPORARY SEEDING SCHEDULE ON SHEET 4 FOR SEEDING OUTSIDE THIS WINDOW.
2. RAKE SEED LIGHTLY INTO THE TOP 1/4 TO 1/2 INCH OF TOPSOIL, ROLL LIGHTLY, AND WATER WITH A FINE SPRAY.
3. PROTECT SEEDED AREAS AGAINST EROSION BY SPREADING STRAW MULCH IMMEDIATELY FOLLOWING COMPLETION OF SEEDING OPERATIONS IF OTHER EROSION CONTROL MEASURES ARE NOT OTHERWISE SPECIFIED.

PLANTING

1. PLANTING OF BARE ROOT TREE AND SHRUB SEEDLINGS (TUBELINGS) SHALL BE PERFORMED BETWEEN FEBRUARY 1 THROUGH MAY 15. CONTRACTOR SHALL VERIFY TREES AND SHRUBS ARE IN A DORMANT CONDITION.
2. THE USE OF A PUNCH/PLANTING BAR, AUGER, REBAR, OR WATER-JET MAY BE USED TO PREDRILL HOLE IF NECESSARY. TAMP SOIL AROUND STAKE FOLLOWING INSTALL.
3. SEPARATE ROOTS AND SPREAD THEM OUT WHEN PLACING THE PLANT IN THE HOLE SO THAT THE ROOTS CAN GROW WITHOUT FURTHER CONSTRICTION OF THE ROOT BALL.
4. ALL BARE ROOT PLANTS SHALL BE SET STRAIGHT OR PLUMB FOR AN UPRIGHT GROWTH PATTERN.
5. SET CONTAINERIZED PLANT MATERIALS PLUMB AND CENTERED WITHIN HOLE, ENSURING THAT THE TOP OF THE ROOT BALL IS ELEVATED 2 TO 3 INCHES ABOVE THE SURROUNDING SOIL ELEVATIONS.
6. PLANTING HOLES SHALL BE BACK-FILLED WITH THE SAME SOIL THAT WAS EXCAVATED FROM THE HOLE AFTER REMOVING ALL STONES, ROOTS, AND OTHER DEBRIS GREATER THAN 2 INCHES IN DIAMETER.
7. RAKE THE UNUSED EXISTING SOIL OUTSIDE THE PLANTING HOUSE, TAKING CARE NOT TO MOUND THE SOIL OR TO SIGNIFICANTLY ALTER THE EXISTING GRADES.
8. WATER EACH PLANT SPECIES TO THE POINT OF SOIL SATURATION IF NOT PLANTED IN AN EXISTING WET CONDITION.

LIVE STAKES

1. LIVE STAKES SHALL BE ORIENTED PERPENDICULAR TO THE SLOPE WITH GROWING TIPS PROTRUDING FROM SURFACE.
2. REMOVE SIDE BRANCHES WITH THE REMAINING BARK INTACT. THE BOTTOM (BASAL) END SHALL BE CLEANLY CUT AT A 45 DEGREE OR SHARPER ANGLE AND THE TOP END SHOULD BE CUT SQUARE (FLAT), PROTRUDING NO MORE THAN SIX INCHES. (SEE DETAIL ON SHEET 18)

LEGEND

	<p>PROPOSED PROJECT LIMITS</p> <p>EXISTING CONTOUR (MAJOR)</p> <p>EXISTING CONTOUR (MINOR)</p> <p>EXISTING CANOPY DRIP LINE (APPROX.)</p> <p>EXISTING OVERHEAD ELECTRICAL LINE</p> <p>EXISTING ELECTRICAL POLE</p> <p>EXISTING DITCH</p> <p>EXISTING FENCE</p> <p>EXISTING ROAD</p> <p>EXISTING GRAVEL PARKING</p> <p>EXISTING PAVED PATH</p> <p>EXISTING PARCEL BOUNDARY</p> <p>EXISTING RIGHT-OF-WAY</p> <p>EXISTING WETLAND</p> <p>EXISTING WATERBODY</p> <p>EXISTING DRAIN TILE LOCATION (APPROX.)</p> <p>EXISTING PUBLIC TREE*</p> <p>EXISTING PUBLIC TREE (TO BE IMPACTED BY OTHERS)*</p> <p>EXISTING CRITICAL ROOT ZONE</p> <p>PUBLIC TREE TO BE REMOVED*</p> <p>PROPOSED HIGH VISIBILITY FENCING</p> <p>PROPOSED ROOT PRUNING</p> <p>PROPOSED 12" MULCHING (AS NEEDED)</p> <p>PROPOSED CONTOUR (MAJOR)</p> <p>PROPOSED CONTOUR (MINOR)</p> <p>PROPOSED WALKING TRAIL</p> <p>PROPOSED OVERLOOK</p> <p>PROPOSED WETLAND RESTORATION AREA</p> <p>PROPOSED LOW WATER CROSSING*</p> <p>PROPOSED LIMESTONE PATH*</p> <p>PROPOSED BOULDER SILL*</p> <p>PROPOSED LIMITS OF DISTURBANCE</p> <p>PROPOSED WETLAND SEEDING AREA</p> <p>PROPOSED UPLAND SEEDING AREA</p> <p>PROPOSED WETLAND WOODY PLANTING AREA</p> <p>PROPOSED WETLAND PLANTING AND LIVE STAKE ARE</p> <p>PROPOSED UPLAND WOODY PLANTING AREA</p> <p>PROPOSED 2" CAL. WETLAND TREES*</p>
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	<p>ACER RUBRUM / RED MAPLE</p> <p>BETULA NIGRA / RIVER BIRCH</p> <p>QUERCUS PALUSTRIS / PIN OAK</p> <p>PLATANUS OCCIDENTALIS / AMERICAN SYCAMORE</p> <p>QUERCUS BICOLOR / SWAMP WHITE OAK</p> <p>SALIX NIGRA / BLACK WILLOW</p> <p>PROPOSED 2-GAL WETLAND SHRUBS*</p> <p>ALNUS SERRULATA / SMOOTH ALDER</p> <p>ARONIA ARBUTIFOLIA / RED CHOKEBERRY</p> <p>CEPHALANTHUS OCCIDENTALIS / BUTTONBUSH</p> <p>SAMBUCUS CANADENSIS / AMERICAN ELDERBERRY</p> <p>PROPOSED 2" CAL. UPLAND TREES*</p> <p>ACER SACCHARUM / SUGAR MAPLE</p> <p>CELTIS OCCIDENTALIS / COMMON HACKBERRY</p> <p>CERCIS CANADENSIS / EASTERN REDBUD</p> <p>LIRIODENDRON TULIPIFERA / TULIP POPLAR</p> <p>QUERCUS ALBA / WHITE OAK</p> <p>QUERCUS MACROCARPA / BURR OAK</p> <p>QUERCUS RUBRA / NORTHERN RED OAK</p> <p>PROPOSED 2-GAL UPLAND SHRUBS*</p> <p>AMELANCHIER LAEVIS / ALLEGHENY SERVICEBERRY</p> <p>HAMAMELIS VIRGINIANA / COMMON WITCH HAZEL</p> <p>VIBURNUM DENTATUM / ARROWWOOD VIBURNUM</p> <p>VIBURNUM LENTAGO / NANNYBERRY</p> <p>VIBURNUM PRUNIFOLIUM / BLACKHAW VIBURNUM</p>
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*NOT TO SCALE

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CHECKED BY:	JKL
APPROVED BY:	BJP
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DATE:	JULY 2025

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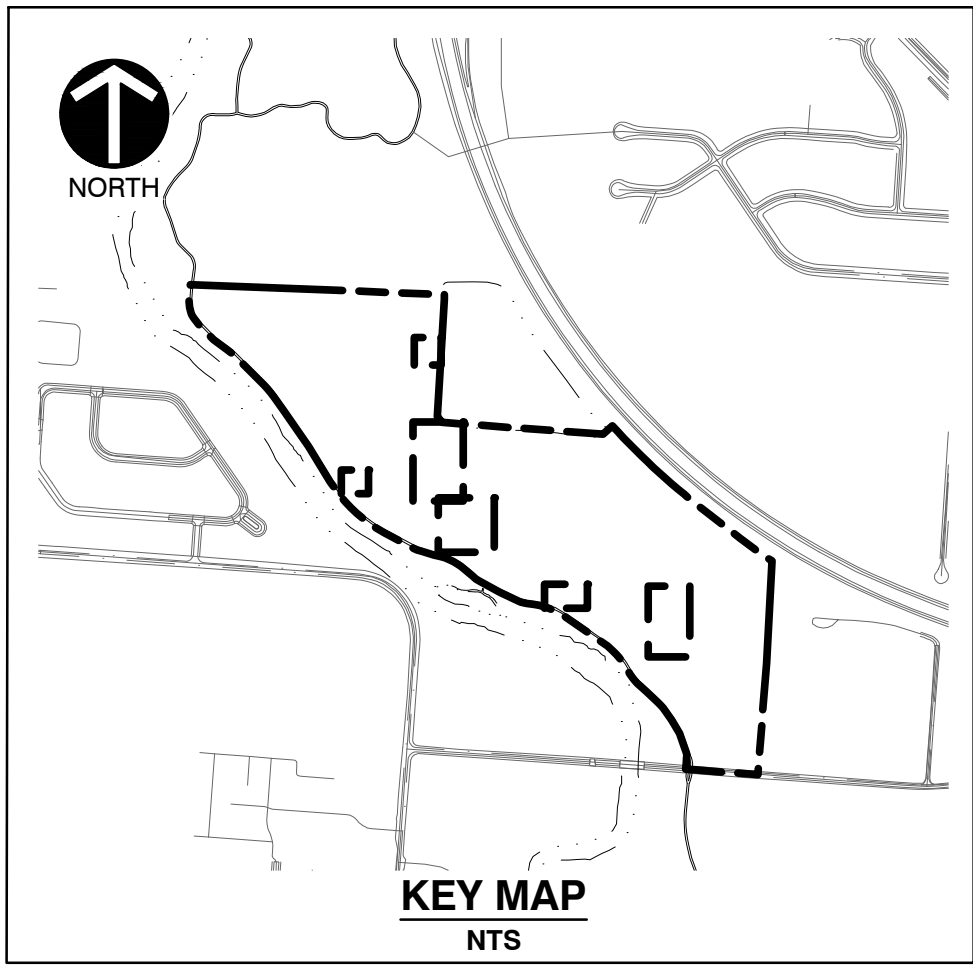
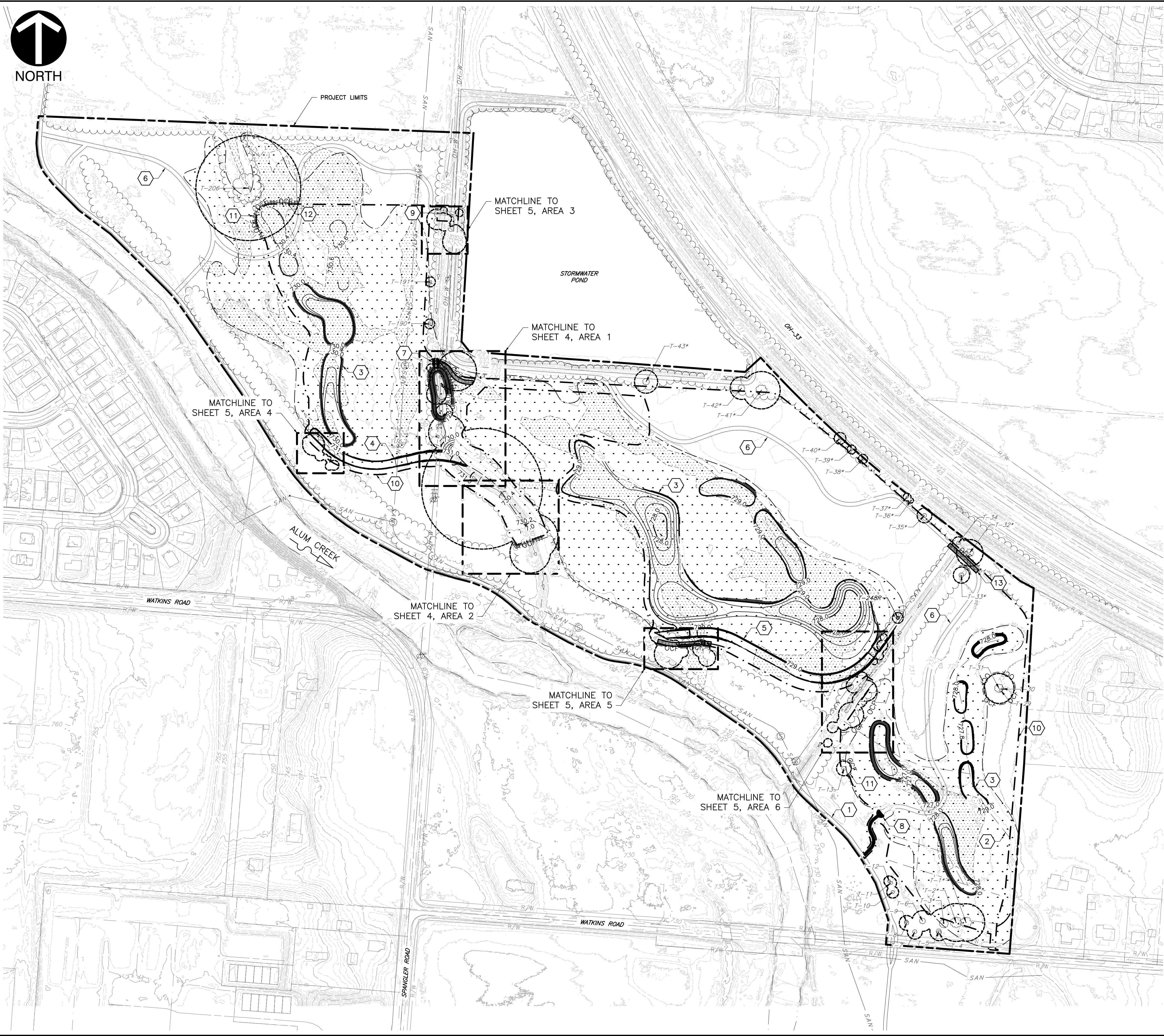


GENERAL NOTES

THREE CREEKS WETLAND RESTORATION PROJECT

3086 WATKINS ROAD, CITY OF COLUMBUS, OHIO

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- LEGEND**
- PROPOSED PROJECT LIMITS
 - EXISTING CONTOUR (MAJOR)
 - EXISTING CONTOUR (MINOR)
 - EXISTING CANOPY DRIP LINE (APPROX.)
 - EXISTING OVERHEAD ELECTRICAL LINE
 - EXISTING ELECTRICAL POLE
 - EXISTING UNDERGROUND SEWER LINE
 - EXISTING DITCH
 - EXISTING FENCE
 - EXISTING ROAD
 - EXISTING GRAVEL PARKING
 - EXISTING PAVED PATH
 - EXISTING PARCEL BOUNDARY
 - EXISTING RIGHT-OF-WAY
 - EXISTING WETLAND
 - EXISTING WATERBODY
 - EXISTING DRAIN TILE LOCATION (APPROX.)
 - EXISTING PUBLIC TREE*
 - EXISTING PUBLIC TREE (TO BE IMPACTED BY OTHERS)*
 - EXISTING CRITICAL ROOT ZONE
 - PUBLIC TREE TO BE REMOVED*
 - PROPOSED HIGH VISIBILITY FENCING
 - PROPOSED ROOT PRUNING
 - PROPOSED 12" MULCHING (AS NEEDED)
 - PROPOSED CONTOUR (MAJOR)
 - PROPOSED CONTOUR (MINOR)
 - PROPOSED WALKING TRAIL
 - PROPOSED WETLAND RESTORATION AREA
 - PROPOSED LOW WATER CROSSING*
 - PROPOSED LIMESTONE PATH*
 - PROPOSED BOULDER SILL*
 - PROPOSED LIMITS OF DISTURBANCE
- *NOT TO SCALE

- KEY NOTE ITEMS**
- EXISTING ALUM CREEK MULTI-USE TRAIL TO REMAIN.
 - EXISTING DRAIN TILE TO BE REMOVED/DISRUPTED.
 - PROPOSED WETLAND DEPRESSION.
 - PROPOSED 500-LF BERM, TOP ELEV 732.0-FT AMSL.
 - PROPOSED 820-LF BERM, TOP ELEV 730.0-FT AMSL, SPILLWAY ELEV 729.5-FT AMSL.
 - PROPOSED MOWED PATH. ON GRADE.
 - PROPOSED LOW WATER CROSSING.
 - PROPOSED ADA COMPLIANT ACCESS PATH AND OVERLOOK.
 - PROPOSED BOULDER SILL.
 - PROPOSED LIMITS OF DISTURBANCE. SHOWN AT 2-FT OFFSET.
 - PROPOSED HIGH VISIBILITY FENCING. SHOWN AT 4-FT OFFSET. SEE SHEET 12, DETAIL 3.
 - PROPOSED ROOT PRUNING. SHOWN AT 4-FT OFFSET. SEE SHEET 12, DETAIL 4.
 - PROPOSED 12" MULCHING. SHOWN AT 4-FT OFFSET.

GENERAL NOTES

- CONTOURS FOR EXISTING TOPOGRAPHY ARE PRESENTED IN 1.0-FT INTERVALS. CONTOURS FOR PROPOSED GRADING ARE REPRESENTED IN 0.2-FT INTERVALS FOR MICROTOPOGRAPHY.

**THREE CREEKS WETLAND
RESTORATION PROJECT**
3086 WATKINS ROAD, CITY OF COLUMBUS, OHIO

TREE REMOVAL OVERVIEW PLAN

EEC
Civil & Environmental
Consultants, Inc.

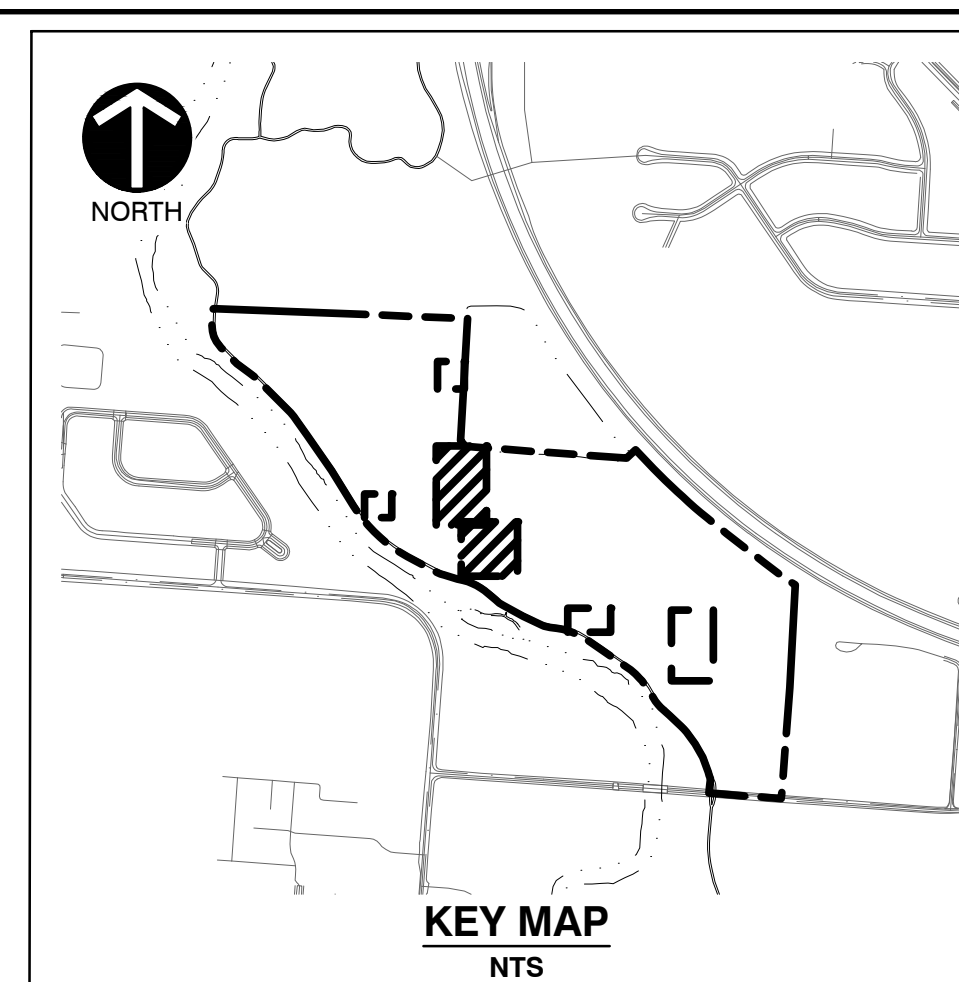
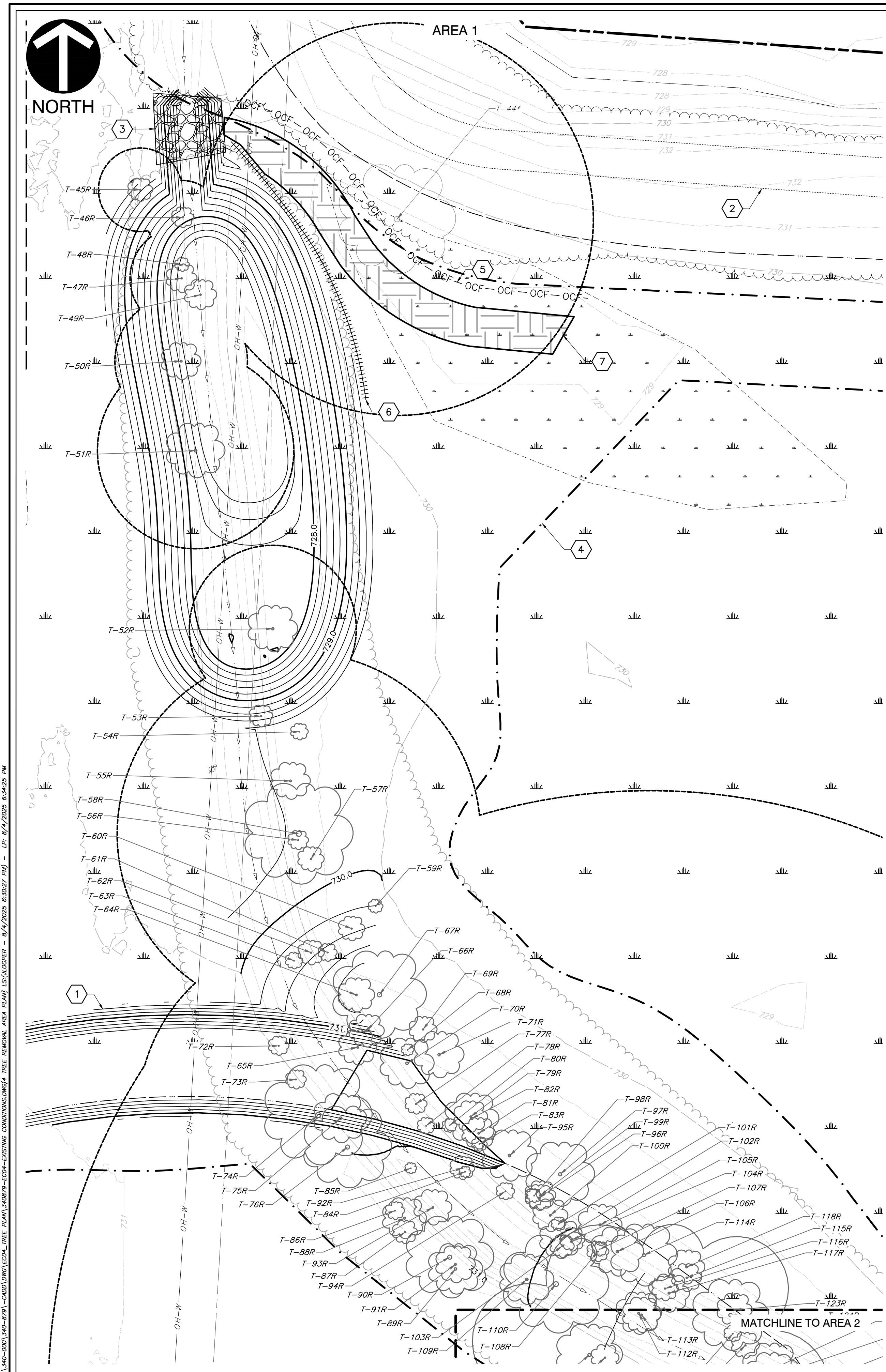
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APPROVED BY: BJP
PROJECT NO: 340-879
DATE: JULY 2025

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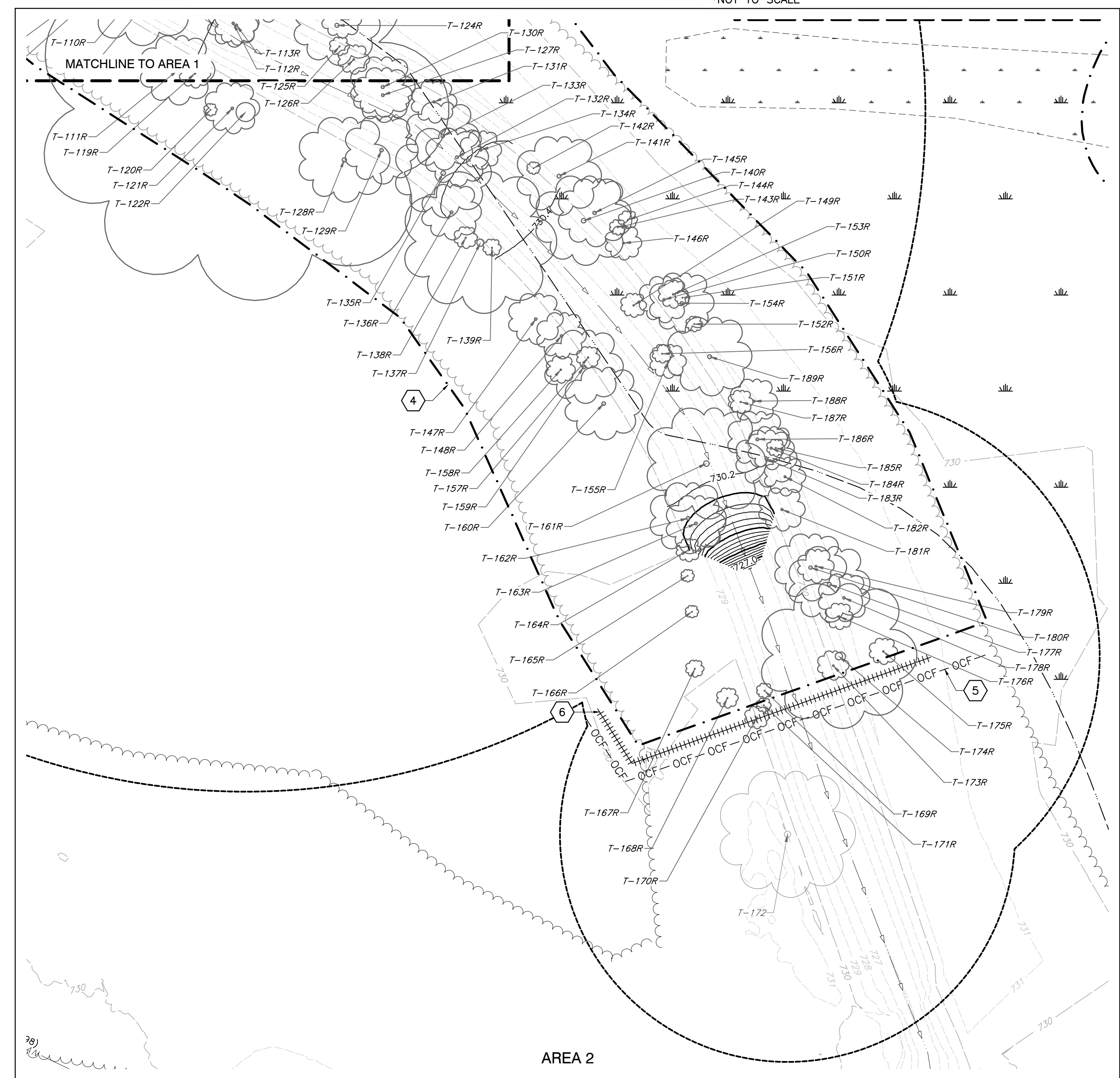
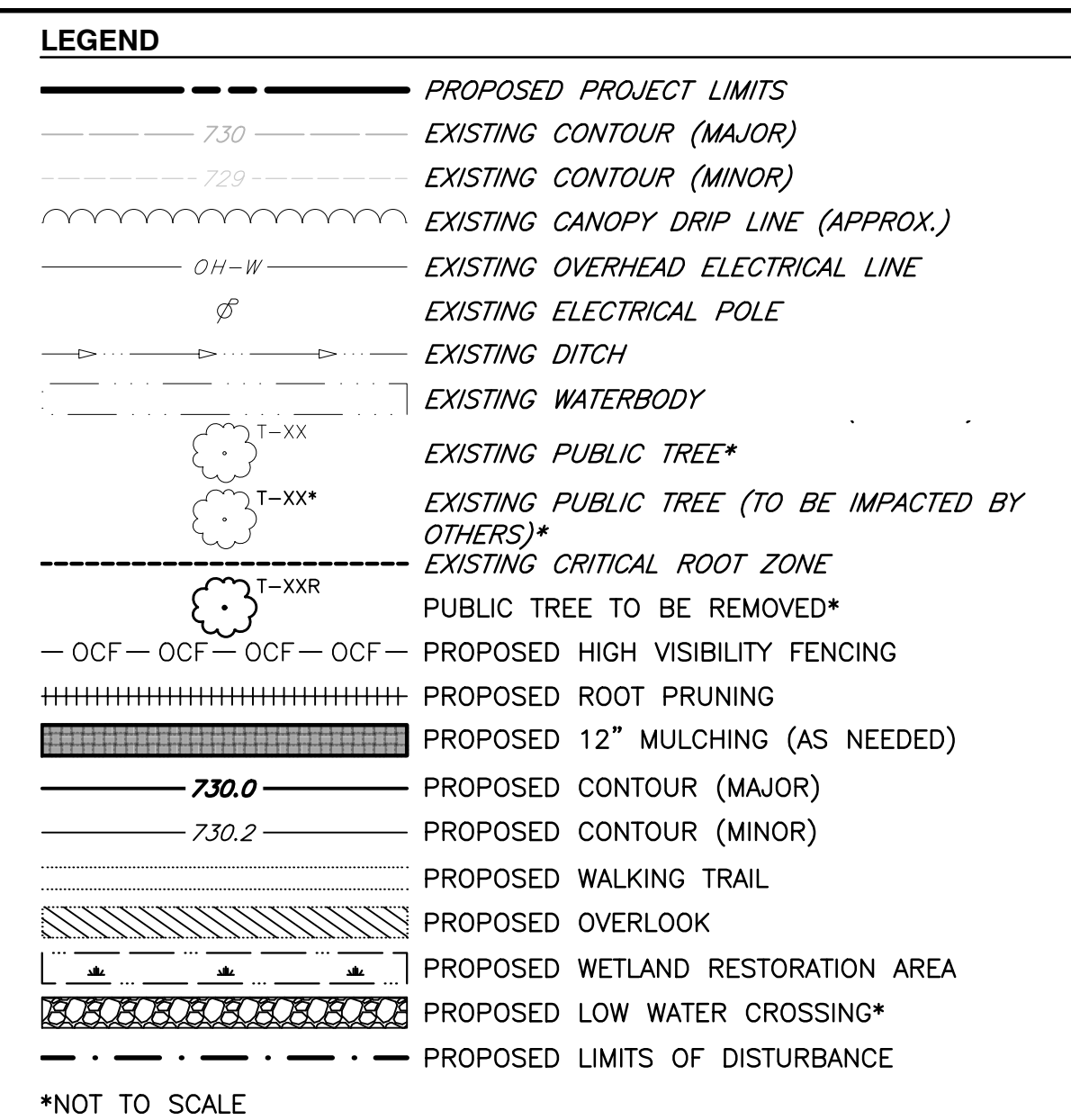
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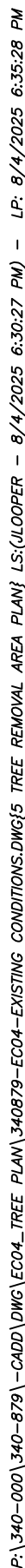
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- ## KEY NOTE ITEMS
1. PROPOSED 820-LF BERM, TOP ELEV 730.0-FT AMSL, SPILLWAY
ELEV 729.5-FT AMSL.
 2. PROPOSED MOWED PATH. ON GRADE.
 3. PROPOSED LOW WATER CROSSING.
 4. PROPOSED LIMITS OF DISTURBANCE. SHOWN AT 2-FT OFFSET.
 5. PROPOSED HIGH VISIBILITY FENCING. SHOWN AT 4-FT OFFSET.
SEE SHEET 12, DETAIL 3.
 6. PROPOSED ROOT PRUNING. SHOWN AT 4-FT OFFSET. SEE
SHEET 12, DETAIL 4.
 7. PROPOSED 12" MULCHING. SHOWN AT 4-FT OFFSET.

1. CONTOURS FOR EXISTING TOPOGRAPHY ARE PRESENTED IN 1.0-FT INTERVALS. CONTOURS FOR PROPOSED GRADING ARE REPRESENTED IN 0.2-FT INTERVALS FOR MICROTOPOGRAPHY.
2. DRAIN TILE LOCATIONS BASED ON AERIAL IMAGERY. CONTRACTOR SHALL FIELD VERIFY.





1. EXISTING ALUM CREEK MULTI-USE TRAIL TO REMAIN.
2. DRAIN TILE TO BE REMOVED/DISRUPTED.
3. PROPOSED WETLAND DEPRESSION.
4. PROPOSED 500-LF BERM, TOP ELEV 732.0-FT AMSL.
5. PROPOSED 820-LF BERM, TOP ELEV 730.0-FT AMSL, SPILLWAY ELEV 729.5-FT AMSL.
6. PROPOSED BOULDER SILL.
7. PROPOSED LIMITS OF DISTURBANCE. SHOWN AT 2-FE OFFSET.
8. PROPOSED HIGH VISIBILITY FENCING. SHOWN AT 4-FE OFFSET. SEE SHEET 12, DETAIL 3.
9. PROPOSED 12" MULCHING. SHOWN AT 4-FE OFFSET.

1. CONTOURS FOR EXISTING TOPOGRAPHY ARE PRESENTED IN 1.0-FT INTERVALS. CONTOURS FOR PROPOSED GRADING ARE REPRESENTED IN 0.2-FT INTERVALS FOR MICROTOPOGRAPHY.
2. DRAIN TILE LOCATIONS BASED ON AERIAL IMAGERY. CONTRACTOR SHALL FIELD VERIFY.

TABLE 1: EXISTING PUBLIC TREE TABLE

TREE TAG ID	COMMON NAME	BOTANICAL NAME	DIAMETER AT STANDARD HEIGHT (IN.)	CRITICAL ROOT ZONE RADIUS (FT.)	CONDITION	ACTION	PROTECTION MEASURES	MITIGATION REQUIRED (Y/N)	CONDITION ATTRIBUTE NOTES
T-44*	GREEN ASH	FRAXINUS PENNSYLVANICA	40	60	FAIR	ROOT PRUNE	ROOT PRUNING, 12" MULCHING AS NEEDED, HIGH VISIBILITY FENCING	NO	NO MITIGATION PROPOSED. TREE REMOVAL ASSOCIATED WITH OTHER PROJECT. DEAD LIMB, VINES, MULTI-TRUNK, PRUNE VINES
T-172	BUR OAK	QUERCUS MACROCARPA	41	61.5	GOOD	ROOT PRUNE	ROOT PRUNING, HIGH VISIBILITY FENCING	NO	VINES
T-206	EASTERN COTTONWOOD	POPULUS DELTOIDES	106.5	159.75	GOOD	ROOT PRUNE	ROOT PRUNING, HIGH VISIBILITY FENCING	NO	DEAD LIMB, MULTI TRUNK 37,37,32.5
T-1*	WHITE ASH	FRAXINUS AMERICANA	38	57	POOR	REMOVE		NO	NO MITIGATION PROPOSED. TREE REMOVAL ASSOCIATED WITH OTHER PROJECT. DEAD LIMB, POOR STRUCTURE, TRUNK CO-DOMINANT, TRUNK CRACKED, DAMAGED BARK, CENTRAL TRUNKS ROTTING, WITCH'S BROOM
T-2*	WHITE ASH	FRAXINUS AMERICANA	38.5	57.75	POOR	REMOVE		NO	NO MITIGATION PROPOSED. TREE REMOVAL ASSOCIATED WITH OTHER PROJECT. DEAD LIMB, POOR STRUCTURE, TRUNK CO-DOMINANT, TRUNK CRACKED, DAMAGED BARK, ROT/DECAY
T-3*	WHITE ASH	FRAXINUS AMERICANA	31	46.5	POOR	REMOVE		NO	NO MITIGATION PROPOSED. TREE REMOVAL ASSOCIATED WITH OTHER PROJECT. DEAD LIMB, POOR STRUCTURE, TRUNK CO-DOMINANT, TRUNK CRACKED, DAMAGED BARK, ROT/DECAY
T-45R	BOXELDER MAPLE	ACER NEGUNDO	8.5	12.75	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB, VINES, ROT/DECAY
T-46R	BOXELDER MAPLE	ACER NEGUNDO	7.5	11.25	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB, VINES
T-47R	BLACK WALNUT	JUGLANS NIGRA	10.5	15.75	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	VINES
T-48R	GREEN ASH	FRAXINUS PENNSYLVANICA	5	7.5	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB, DEAD LOWER LIMBS
T-49R	BOXELDER MAPLE	ACER NEGUNDO	11	16.5	POOR	REMOVE		NO	DEAD LIMB, VINES, CAVITY, POOR STRUCTURE, MAJOR CAVITY AT BASE OF TREE
T-50R	BLACK WALNUT	JUGLANS NIGRA	13.5	20.25	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	VINES
T-51R	SILVER MAPLE	ACER SACCHARINUM	20	30	POOR	REMOVE		NO	POOR STRUCTURE, DEAD LIMB, CAVITY, SHALLOW ROOT, CAVITY AT BASE OF TREE
T-52R	BLACK WALNUT	JUGLANS NIGRA	17	25.5	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	TRUNK CO-DOMINANT, VINES
T-53R	BLACK WALNUT	JUGLANS NIGRA	8	12	POOR	REMOVE		NO	DEAD LIMB, VINES, MULTI-TRUNK
T-54R	HACKBERRY	CELTIS OCCIDENTALIS	6	9	POOR	REMOVE		NO	POOR STRUCTURE, DEAD LIMB, VINES, SHALLOW ROOT
T-55R	HACKBERRY	CELTIS OCCIDENTALIS	13.5	20.25	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	VINES, TRUNK CO-DOMINANT, DEAD LIMB, ROT/DECAY
T-56R	WHITE MULBERRY	MORUS ALBA	7	10.5	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	VINES, MANY VINES
T-58R	BLACK WALNUT	JUGLANS NIGRA	9	13.5	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	POOR STRUCTURE, VINES
T-57R	EASTERN COTTONWOOD	POPULUS DELTOIDES	37	55.5	GOOD	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB, ROT/DECAY, ROT ON ONE BRANCH
T-59R	GREEN ASH	FRAXINUS PENNSYLVANICA	5	7.5	POOR	REMOVE		NO	VINES, POOR STRUCTURE, SHALLOW ROOT
T-60R	GREEN ASH	FRAXINUS PENNSYLVANICA	9	13.5	DEAD	REMOVE		NO	VINES
T-61R	OHIO BUCKEYE	AESCULUS GLABRA	6.5	9.75	POOR	REMOVE		NO	DEAD LIMB, POOR STRUCTURE, VINES, GROWING ENTWNED WITH DEAD BLACK LOCUST
T-62R	HACKBERRY	CELTIS OCCIDENTALIS	9	13.5	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	VINES, SHALLOW ROOTS
T-63R	AMERICAN ELM	ULMUS AMERICANA	6	9	POOR	REMOVE		NO	DEAD LIMB, POOR STRUCTURE, VINES
T-64R	BLACK WALNUT	JUGLANS NIGRA	12.5	18.75	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB, POOR STRUCTURE, ROT/DECAY, LEANING
T-65R	SLIPPERY ELM	ULMUS RUBRA	13	19.5	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB, POOR STRUCTURE, VINES, LEANING
T-66R	BLACK LOCUST	ROBINIA PSEUDOACACIA	12	18	DEAD	REMOVE		NO	POOR STRUCTURE
T-67R	HONEY LOCUST	GLEDITSIA TRIACANTHOS	32	48	GOOD	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB, VINES
T-68R	OHIO BUCKEYE	AESCULUS GLABRA	4.25	6.375	POOR	REMOVE		NO	DEAD LIMB, POOR STRUCTURE
T-69R	BLACK WALNUT	JUGLANS NIGRA	9.5	14.25	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB, POOR STRUCTURE
T-70R	OHIO BUCKEYE	AESCULUS GLABRA	18.5	27.75	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	TRUNK CO-DOMINANT, VINES, DEAD LIMB, CAVITY
T-71R	OHIO BUCKEYE	AESCULUS GLABRA	17	25.5	GOOD	REMOVE		YES. PROPOSED RATIO OF 1:1	VINES
T-72R	BOXELDER MAPLE	ACER NEGUNDO	7	10.5	POOR	REMOVE		NO	VINES, DEAD LIMB, POOR STRUCTURE, ROT/DECAY
T-73R	BLACK WALNUT	JUGLANS NIGRA	7	10.5	POOR	REMOVE		NO	POOR STRUCTURE, VINES
T-74R	BASSWOOD	TILIA AMERICANA	36.75	55.125	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB, POOR STRUCTURE, MULTI-TRUNK
T-75R	BASSWOOD	TILIA AMERICANA	18	27	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB, POOR STRUCTURE, MULTI-TRUNK
T-76R	BUR OAK	QUERCUS MACROCARPA	30	45	GOOD	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB
T-77R	OHIO BUCKEYE	AESCULUS GLABRA	7.5	11.25	POOR	REMOVE		NO	DEAD LIMB, VINES, ROT/DECAY, MANY DEAD LIMBS
T-78R	OHIO BUCKEYE	AESCULUS GLABRA	6	9	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB
T-79R	OHIO BUCKEYE	AESCULUS GLABRA	11.5	17.25	POOR	REMOVE		NO	DEAD LIMB, POOR STRUCTURE, ROT/DECAY, CAVITY, DECAY AT BASE OF TREE
T-80R	OHIO BUCKEYE	AESCULUS GLABRA	5	7.5	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB
T-81R	HACKBERRY	CELTIS OCCIDENTALIS	11.5	17.25	POOR	REMOVE		NO	POOR STRUCTURE, ROT/DECAY, CAVITY, SMALL CAVITY AT BASE
T-82R	HACKBERRY	CELTIS OCCIDENTALIS	18.5	27.75	CRITICAL	REMOVE		NO	DEAD LIMB, POOR STRUCTURE, ROT/DECAY, CAVITY, MAJOR CAVITY/ROT AT BASE OF TREE
T-83R	HACKBERRY	CELTIS OCCIDENTALIS	5.25	7.875	POOR	REMOVE		NO	DEAD LIMB,POOR STRUCTURE, ROT/DECAY, CAVITY, GROWING OUT BASE OF CRITICAL CONDITION HACKBERRY
T-84R	OHIO BUCKEYE	AESCULUS GLABRA	4	6	POOR	REMOVE		NO	DEAD LIMB, POOR STRUCTURE
T-85R	OHIO BUCKEYE	AESCULUS GLABRA	4	6	POOR	REMOVE		NO	DEAD LIMB, POOR STRUCTURE
T-86R	HACKBERRY	CELTIS OCCIDENTALIS	6.5	9.75	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	POOR STRUCTURE, SHALLOW ROOT
T-87R	HACKBERRY	CELTIS OCCIDENTALIS	8.5	12.75	POOR	REMOVE		NO	POOR STRUCTURE, ROT/DECAY, CAVITY, SHALLOW ROOT, MAJOR CAVITY AT BASE OF TREE
T-88R	HACKBERRY	CELTIS OCCIDENTALIS	15	22.5	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB, SHALLOW ROOT
T-89R	BITTERNUT HICKORY	CARYA CORDIFORMIS	18.5	27.75	GOOD	REMOVE		YES. PROPOSED RATIO OF 1:1	SHALLOW ROOT
T-90R	BITTERNUT HICKORY	CARYA CORDIFORMIS	30	45	GOOD	REMOVE		YES. PROPOSED RATIO OF 1:1	SHALLOW ROOT
T-91R	BASSWOOD	TILIA AMERICANA	13.5	20.25	CRITICAL	REMOVE		NO	POOR STRUCTURE, DEAD LIMB, ROT/DECAY, CAVITY, MULTI-TRUNK (3), ONE TRUNK SPLIT, CAVITY AT BASE OF ANOTHER.
T-92R	BLACK LOCUST	ROBINIA PSEUDOACACIA	8.5	12.75	DEAD	REMOVE		NO	PEST/DISEASE
T-93R	GREEN ASH	FRAXINUS PENNSYLVANICA	13	19.5	DEAD	REMOVE		NO	
T-94R	OHIO BUCKEYE	AESCULUS GLABRA	6.25	9.375	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB, ROT/DECAY
T-95R	OHIO BUCKEYE	AESCULUS GLABRA	18.75	28.125	GOOD	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB
T-96R	BLACK LOCUST	ROBINIA PSEUDOACACIA	9.5	14.25	DEAD	REMOVE		NO	ROT/DECAY, CAVITY
T-97R	BLACK LOCUST	ROBINIA PSEUDOACACIA	23.5	35.25	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB, ROT/DECAY
T-98R	OHIO BUCKEYE	AESCULUS GLABRA	5	7.5	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB, POOR STRUCTURE
T-99R	BLACK LOCUST	ROBINIA PSEUDOACACIA	10.5	15.75	DEAD	REMOVE		NO	ROT/DECAY
T-100R	HACKBERRY	CELTIS OCCIDENTALIS	12	18	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB, ROT/DECAY
T-101R	HACKBERRY	CELTIS OCCIDENTALIS	5	7.5	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	POOR STRUCTURE
T-102R	HACKBERRY	CELTIS OCCIDENTALIS	14.25	21.375	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	POOR STRUCTURE
T-103R	HACKBERRY	CELTIS OCCIDENTALIS	8.25	12.375	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	POOR STRUCTURE
T-104R	OHIO BUCKEYE	AESCULUS GLABRA	8.5	12.75	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB
T-105R	BLACK LOCUST	ROBINIA PSEUDOACACIA	15	22.5	DEAD	REMOVE		NO	ROT/DECAY
T-106R	BLACK LOCUST	ROBINIA PSEUDOACACIA	18	27	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB, VINES, ROT/DECAY
T-107R	BLACK LOCUST	ROBINIA PSEUDOACACIA	5	7.5	DEAD	REMOVE		NO	ROT DECAY
T-108R	HACKBERRY	CELTIS OCCIDENTALIS	7.5	11.25	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	POOR STRUCTURE
T-109R	BLACK WALNUT	JUGLANS NIGRA	18.5	27.75	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB, POOR STRUCTURE
T-110R	BASSWOOD	TILIA AMERICANA	36	54	GOOD	REMOVE		YES. PROPOSED RATIO OF 1:1	MULTI-TRUNK
T-111R	BASSWOOD	TILIA AMERICANA	22.5	33.75	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	POOR STRUCTURE
T-112R	BITTERNUT HICKORY	CARYA CORDIFORMIS	15.5	23.25	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB
T-113R	OHIO BUCKEYE	AESCULUS GLABRA	13	19.5	POOR	REMOVE		NO	DEAD LIMB, POOR STRUCTURE
T-114R	OHIO BUCKEYE	AESCULUS GLABRA	22.75	34.125	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB, CAVITY, MULTI-TRUNK
T-115R	BASSWOOD	TILIA AMERICANA	10.25	15.375	POOR	REMOVE		NO	DEAD LIMB, POOR STRUCTURE
T-116R	BLACK LOCUST	ROBINIA PSEUDOACACIA	9	13.5	DEAD	REMOVE		NO	ROT DECAY
T-117R	BLACK LOCUST	ROBINIA PSEUDOACACIA	14	21	DEAD	REMOVE		NO	ROT DECAY
T-118R	BASSWOOD	TILIA AMERICANA	12.5	18.75	POOR	REMOVE		NO	POOR STRUCTURE, DEAD LIMB, ROT/DECAY, CAVITY
T-119R	BASSWOOD	TILIA AMERICANA	9.5	14.25	POOR	REMOVE		NO	DEAD LIMB,POOR STRUCTURE, TRUNK CO-DOMINANT
T-120R	BLACK WALNUT	JUGLANS NIGRA	4	6	POOR	REMOVE		NO	DEAD LIMB, POOR STRUCTURE, VINES
T-121R	HACKBERRY	CELTIS OCCIDENTALIS	16.5		FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB, POOR STRUCTURE
T-122R	HACKBERRY	CELTIS OCCIDENTALIS	122.5	183.75	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB, MULTI-TRUNK

*TREE IMPACT ASSOCIATED WITH ALUM CREEK TRUNK SOUTH SANITARY SEWER REHABILITATION – PHASE 1 CAPITAL IMPROVEMENTS PROJECT NO. 350725-100004.

LAB

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CEC

Civil & Environmental Consultants, Inc.

EXISTING PUBLIC TREE TABLE

THREE CREEKS WETLAND RESTORATION PROJECT

3086 WATKINS ROAD, CITY OF COLUMBUS, OHIO

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D:\140-000\140-0791-CADD\DWG\ECOL TREE PLAN\140079-ECOL TREE TABLES.DWG EXISTING PUBLIC TREE TABLE 1-5 (BRIDGE) SHEET - 5/29/2025 12:26:38 PM - LPS 8/4/2025 6:16:55 PM

TABLE 1: EXISTING PUBLIC TREE TABLE (CONT.)									
TREE TAG ID	COMMON NAME	BOTANICAL NAME	DIAMETER AT STANDARD HEIGHT (IN.)	CRITICAL ROOT ZONE RADIUS (FT.)	CONDITION	ACTION	PROTECTION MEASURES	MITIGATION REQUIRED (Y/N)	CONDITION ATTRIBUTE NOTES
T-123R	OHIO BUCKEYE	AESCULUS GLABRA	12	18	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB, VINES
T-124R	HACKBERRY	CELTIS OCCIDENTALIS	26	39	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB, ROT/DECAY, SHALLOW ROOT
T-125R	HACKBERRY	CELTIS OCCIDENTALIS	6	9	POOR	REMOVE		NO	POOR STRUCTURE, DEAD LIMB, VINES, ENTWINED WITH HONEYSUCKLE
T-126R	OHIO BUCKEYE	AESCULUS GLABRA	9.5	14.25	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB
T-127R	BITTERNUT HICKORY	CARYA CORDIFORMIS	17.75	26.625	GOOD	REMOVE		YES. PROPOSED RATIO OF 1:1	SHALLOW ROOT
T-128R	BASSWOOD	TILIA AMERICANA	27.5	41.25	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB, POOR STRUCTURE, ROT/DECAY
T-129R	BASSWOOD	TILIA AMERICANA	22	33	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB, DAMAGED BARK, CAVITY
T-130R	BOXELDER MAPLE	ACER NEGUNDO	19.5	29.25	CRITICAL	REMOVE		NO	DEAD LIMB, ROT/DECAY, CAVITY, ROT AT BASE OF TREE
T-131R	BITTERNUT HICKORY	CARYA CORDIFORMIS	13.75	20.625	GOOD	REMOVE		YES. PROPOSED RATIO OF 1:1	
T-132R	BLACK WALNUT	JUGLANS NIGRA	19	28.5	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB, ROT/DECAY
T-133R	OHIO BUCKEYE	AESCULUS GLABRA	22	33	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB, POOR STRUCTURE, MULTI-TRUNK
T-134R	HACKBERRY	CELTIS OCCIDENTALIS	12.5	18.75	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB
T-135R	BASSWOOD	TILIA AMERICANA	29	43.5	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	POOR STRUCTURE, DEAD LIMB, ROT/DECAY, MULTI-TRUNK
T-136R	BASSWOOD	TILIA AMERICANA	18	27	GOOD	REMOVE		YES. PROPOSED RATIO OF 1:1	DAMAGED BARK
T-137R	BASSWOOD	TILIA AMERICANA	46	69	POOR	REMOVE		NO	DEAD LIMB, POOR STRUCTURE, ROT/DECAY, CAVITY, MULTI-TRUNK, ROTTING AT TWO BASES
T-138R	BASSWOOD	TILIA AMERICANA	7	10.5	CRITICAL	REMOVE		NO	POOR STRUCTURE, ROT/DECAY, CAVITY, CAVITY ROTTING AT BASE
T-139R	BASSWOOD	TILIA AMERICANA	5.5	8.25	POOR	REMOVE		NO	POOR STRUCTURE, DEAD LIMB, CROWN DIEBACK, ROT/DECAY, CAVITY, ROT AT BASE OF TREE
T-140R	AMERICAN ELM	ULMUS AMERICANA	29	43.5	GOOD	REMOVE		YES. PROPOSED RATIO OF 1:1	TRUNK CO-DOMINANT
T-141R	GREEN ASH	FRAXINUS PENNSYLVANICA	25.5	38.25	DEAD	REMOVE		NO	ROT/DECAY
T-142R	OHIO BUCKEYE	AESCULUS GLABRA	4	6	POOR	REMOVE		NO	POOR STRUCTURE, ROT/DECAY, CAVITY, SHALLOW ROOT, ROT AT BASE OF TREE
T-143R	HACKBERRY	CELTIS OCCIDENTALIS	5	7.5	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB
T-144R	HACKBERRY	CELTIS OCCIDENTALIS	5.75	8.625	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	
T-145R	OHIO BUCKEYE	AESCULUS GLABRA	22	33	CRITICAL	REMOVE		NO	DEAD LIMB, POOR STRUCTURE, ROT/DECAY, DAMAGED BARK, FLAKING BARK, MULTI-TRUNK
T-146R	OHIO BUCKEYE	AESCULUS GLABRA	11	16.5	CRITICAL	REMOVE		NO	DEAD LIMB, DAMAGE BARK
T-147R	BUR OAK	QUERCUS MACROCARPA	16.5	24.75	GOOD	REMOVE		YES. PROPOSED RATIO OF 1:1	
T-148R	OHIO BUCKEYE	AESCULUS GLABRA	15	22.5	CRITICAL	REMOVE		NO	DEAD LIMB, DAMAGED BARK, ROT DECAY, MULTI-TRUNK
T-149R	BOXELDER MAPLE	ACER NEGUNDO	7.75	11.625	CRITICAL	REMOVE		NO	DEAD LIMB, POOR STRUCTURE, DAMAGED BARK, ROT/DECAY, CAVITY,TRUNK CO-DOMINANT
T-150R	HACKBERRY	CELTIS OCCIDENTALIS	15	22.5	GOOD	REMOVE		YES. PROPOSED RATIO OF 1:1	
T-151R	HACKBERRY	CELTIS OCCIDENTALIS	4.5	6.75	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	
T-152R	HACKBERRY	CELTIS OCCIDENTALIS	5	7.5	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	POOR STRUCTURE
T-153R	HACKBERRY	CELTIS OCCIDENTALIS	9	13.5	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	POOR STRUCTURE, GROWING UNDER LARGER WALNUT
T-154R	BLACK WALNUT	JUGLANS NIGRA	19.5	29.25	GOOD	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB
T-155R	OHIO BUCKEYE	AESCULUS GLABRA	11	16.5	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB
T-156R	HACKBERRY	CELTIS OCCIDENTALIS	6	9	GOOD	REMOVE		YES. PROPOSED RATIO OF 1:1	
T-157R	BITTERNUT HICKORY	CARYA CORDIFORMIS	7	10.5	CRITICAL	REMOVE		NO	POOR STRUCTURE, DEAD LIMB, DAMAGED BARK, ROT/DECAY, CAVITY, MAJOR CAVITY/ROT RUNNING UP BASE OF TREE
T-158R	BLACK CHERRY	PRUNUS SEROTINA	8.75	13.125	POOR	REMOVE		NO	POOR STRUCTURE, DEAD LIMB, DAMAGED BARK
T-159R	SHAGBARK HICKORY	CARYA OVATA	23.75	35.625	GOOD	REMOVE		YES. PROPOSED RATIO OF 1:1	
T-160R	HACKBERRY	CELTIS OCCIDENTALIS	23.5	35.25	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	POOR STRUCTURE, MULTI-TRUNK
T-161R	BUR OAK	QUERCUS MACROCARPA	36	54	GOOD	REMOVE		YES. PROPOSED RATIO OF 1:1	TREE LEANING BUT OTHERWISE CONDITION IS OVERALL GOOD
T-162R	BLACK WALNUT	JUGLANS NIGRA	23	34.5	POOR	REMOVE		NO	VINES, POOR STRUCTURE, TRUNK CO-DOMINANT, DAMAGED BARK, ROT/DECAY, CAVITY, ONE OF 2 TRUNKS DEAD
T-163R	HACKBERRY	CELTIS OCCIDENTALIS	18	27	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	VINES, OVERALL FAIR CONDITION BUT NUMEROUS VINES
T-164R	WHITE MULBERRY	MORUS ALBA	7.5	11.25	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	POOR STRUCTURE, SEVERE LEANING BUT OVERALL FAIR CONDITION
T-165R	BOXELDER MAPLE	ACER NEGUNDO	4	6	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB, POOR STRUCTURE, LEANING WITH DEAD LIMBS
T-166R	HACKBERRY	CELTIS OCCIDENTALIS	4	6	GOOD	REMOVE		YES. PROPOSED RATIO OF 1:1	SMALL BUT IN GOOD HEALTH
T-167R	WHITE MULBERRY	MORUS ALBA	5.5	8.25	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	TRUNK CO-DOMINANT, HONEYSUCKLE INTERTWINE AND COMPETITION
T-168R	BOXELDER MAPLE	ACER NEGUNDO	6.5	9.75	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB, POOR STRUCTURE, LEANING WITH POOR STRUCTURE
T-169R	HACKBERRY	CELTIS OCCIDENTALIS	4.75	7.125	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	VINES
T-170R	AMERICAN ELM	ULMUS AMERICANA	7.25	10.875	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB, SHALLOW ROOT
T-171R	BOXELDER MAPLE	ACER NEGUNDO	4.5	6.75	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	POOR STRUCTURE, TRUNK CO-DOMINANT
T-173R	OHIO BUCKEYE	AESCULUS GLABRA	9.5	14.25	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	POOR STRUCTURE, MULTI-TRUNK
T-174R	OHIO BUCKEYE	AESCULUS GLABRA	47	70.5	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	VINES, MULTI-TRUNK
T-175R	HACKBERRY	CELTIS OCCIDENTALIS	8.5	12.75	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	VINES, SIGNIFICANT VINE COVERAGE PREVENTING GROWTH
T-176R	OHIO BUCKEYE	AESCULUS GLABRA	8.5	12.75	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB, POOR STRUCTURE, MULTI-TRUNK
T-177R	OHIO BUCKEYE	AESCULUS GLABRA	24.5	36.75	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB, MULTI-TRUNK
T-178R	HACKBERRY	CELTIS OCCIDENTALIS	15.5	23.25	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB, POOR STRUCTURE, VINES
T-179R	OHIO BUCKEYE	AESCULUS GLABRA	11	16.5	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB, VINES
T-180R	OHIO BUCKEYE	AESCULUS GLABRA	21.75	32.625	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB, MULTI-TRUNK
T-181R	HACKBERRY	CELTIS OCCIDENTALIS	14	21	POOR	REMOVE		NO	DEAD LIMB, ROT/DECAY, CAVITY, FORMER SECOND TRUNK DEAD
T-182R	HACKBERRY	CELTIS OCCIDENTALIS	12.5	18.75	GOOD	REMOVE		YES. PROPOSED RATIO OF 1:1	
T-183R	OHIO BUCKEYE	AESCULUS GLABRA	18.5	27.75	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB, MULTI-TRUNK
T-184R	EASTERN COTTONWOOD	POPULUS DELTOIDES	14	21	POOR	REMOVE		NO	DEAD LIMB,TRUNK CO-DOMINANT, TRUNK CRACKED, DAMAGED BARK, ROT/DECAY
T-185R	OHIO BUCKEYE	AESCULUS GLABRA	5.5	8.25	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB
T-186R	OHIO BUCKEYE	AESCULUS GLABRA	18	27	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB, MULTI-TRUNK
T-187R	OHIO BUCKEYE	AESCULUS GLABRA	7.5	11.25	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB, MULTI-TRUNK
T-188R	SHAGBARK HICKORY	CARYA OVATA	14.25	21.375	GOOD	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB, DEAD LIMBS RESULT OF OLD SELF PRUNING NOT RECENT.
T-189R	EASTERN COTTONWOOD	POPULUS DELTOIDES	25.5	38.25	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB, TRUNK CO-DOMINANT
T-193R	OHIO BUCKEYE	AESCULUS GLABRA	21	31.5	POOR	REMOVE		NO	DEAD LIMB, POOR STRUCTURE, VINES
T-195R	BLACK WILLOW	SALIX NIGRA	8.5	12.75	POOR	REMOVE		NO	DEAD LIMB, VINES
T-200R	BLACK WILLOW	SALIX NIGRA	9	13.5	CRITICAL	REMOVE		NO	DEAD LIMB, POOR STRUCTURE, TRUNK DEVIATION FROM VERTICAL, TRUNK CRACKED, CAVITY
T-207R	EASTERN COTTONWOOD	POPULUS DELTOIDES	4.75	7.125	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	VINES
T-208R	BRADFORD PEAR	PYRUS CALLERYANA	6.75	10.125	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	HIGH FOLIAGE, CRITICAL ROOT MAY BE WITHIN LOD
T-209R	BRADFORD PEAR	PYRUS CALLERYANA	4.75	7.125	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	HIGH FOLIAGE, CRITICAL ROOT MAY BE WITHIN LOD
T-210R	EASTERN COTTONWOOD	POPULUS DELTOIDES	22.25	33.375	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB, VINES, PRUNE LOWER DEAD BRANCHES
T-211R	EASTERN COTTONWOOD	POPULUS DELTOIDES	17	25.5	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB, VINES, TRUNK CO-DOMINANT
T-212R	EUROPEAN ALDER	ALNUS GLUTINOSA	18	27	POOR	REMOVE		NO	ROT/DECAY, MULTITRUNK, SMALL ROT NEAR BASE, CRITICAL ROOT WITHIN LOD, CHANGE TO BLACK ALDER
T-213R	EASTERN COTTONWOOD	POPULUS DELTOIDES	6.25	9.375	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	VINES, CRITICAL ROOT WITHIN LOD
T-214R	EASTERN COTTONWOOD	POPULUS DELTOIDES	6.5	9.75	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	VINES, CRITICAL ROOT MAY BE WITHIN LOD
T-215R	EASTERN COTTONWOOD	POPULUS DELTOIDES	5.5	8.25	POOR	REMOVE		NO	POOR STRUCTURE, VINES, LEANING
T-216R	BRADFORD PEAR	PYRUS CALLERYANA	5.75	8.625	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	VINES, TRUNK CO-DOMINANT
T-217R	EASTERN COTTONWOOD	POPULUS DELTOIDES	5.75	8.625	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	POOR STRUCTURE, VINES, SLIGHT LEAN
T-218R	BRADFORD PEAR	PYRUS CALLERYANA	9.75	14.625	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	HIGH FOLIAGE, CRITICAL ROOT MAY BE WITHIN LOD
T-219R	BOXELDER MAPLE	ACER NEGUNDO	5.75	8.625	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB, VINES
T-220R	BOXELDER MAPLE	ACER NEGUNDO	5.75	8.625	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	VINES, TRUNK CO-DOMINANT
T-221R	BOXELDER MAPLE	ACER NEGUNDO	4	6	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	

LAB

DRAWN BY: JKL


CHECKED BY: BJP

APPROVED BY: BJP

PROJECT NO: 340-879

DATE: JULY 2025

8800 Lyra Drive
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Civil & Environmental Consultants, Inc.

EXISTING PUBLIC TREE TABLE

THREE CREEKS WETLAND RESTORATION PROJECT

3086 WATKINS ROAD, CITY OF COLUMBUS, OHIO

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D:\140-000\140-0791-CADD\DWG\ECOL TREE PLAN\140079-ECOL-TREE TABLES.DWG[6 EXISTING PUBLIC TREE TABLE] 5/29/2025 12:26:38 PM] -- LPS 8/4/2025 6:16:56 PM

TABLE 1: EXISTING PUBLIC TREE TABLE (CONT.)									
TREE TAG ID	COMMON NAME	BOTANICAL NAME	DIAMETER AT STANDARD HEIGHT (IN.)	CRITICAL ROOT ZONE RADIUS (FT.)	CONDITION	ACTION	PROTECTION MEASURES	MITIGATION REQUIRED (Y/N)	CONDITION ATTRIBUTE NOTES
T-222R	EASTERN COTTONWOOD	POPULUS DELTOIDES	5.25	7.875	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	POOR STRUCTURE, CRITICAL ROOT MAY BE WITHIN LOD
T-223R	EASTERN COTTONWOOD	POPULUS DELTOIDES	8.25	12.375	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	VINES, CRITICAL ROOT MAY BE WITHIN LOD
T-224R	EASTERN COTTONWOOD	POPULUS DELTOIDES	5	7.5	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	VINES, CRITICAL ROOT MAY BE WITHIN LOD
T-225R	BRADFORD PEAR	PYRUS CALLERYANA	10	15	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	CRITICAL ROOT WITHIN LOD, MULTI-TRUNK
T-226R	BRADFORD PEAR	PYRUS CALLERYANA	5	7.5	POOR	REMOVE		NO	POOR STRUCTURE, VINES, TRUNK CO-DOMINANT
T-229R	EASTERN COTTONWOOD	POPULUS DELTOIDES	9	13.5	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	VINES, CRITICAL ROOT MAY BE WITHIN LOD
T-231R	AMERICAN SYCAMORE	PLATANUS OCCIDENTALIS	5.75	8.625	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	POOR STRUCTURE, LEANING
T-232R	AMERICAN SYCAMORE	PLATANUS OCCIDENTALIS	5.5	8.25	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	
T-234R	HONEY LOCUST	GLEDITSIA TRIACANTHOS	4.5	6.75	POOR	REMOVE		NO	POOR STRUCTURE, VINES
T-235R	AMERICAN SYCAMORE	PLATANUS OCCIDENTALIS	7.25	10.875	GOOD	REMOVE		YES. PROPOSED RATIO OF 1:1	
T-236R	BLACK WALNUT	JUGLANS NIGRA	4	6	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB
T-237R	BLACK WALNUT	JUGLANS NIGRA	6	9	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB, VINES
T-238R	AMERICAN SYCAMORE	PLATANUS OCCIDENTALIS	9.5	14.25	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	VINES
T-239R	AMERICAN SYCAMORE	PLATANUS OCCIDENTALIS	5	7.5	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	POOR STRUCTURE, LEANING
T-240R	AMERICAN SYCAMORE	PLATANUS OCCIDENTALIS	4	6	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	VINES
T-241R	AMERICAN SYCAMORE	PLATANUS OCCIDENTALIS	11	16.5	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB, VINES
T-242R	BRADFORD PEAR	PYRUS CALLERYANA	8.75	13.125	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	
T-243R	AMERICAN SYCAMORE	PLATANUS OCCIDENTALIS	7	10.5	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	SLIGHT LEAN
T-244R	AMERICAN SYCAMORE	PLATANUS OCCIDENTALIS	5.75	8.625	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	
T-245R	EASTERN COTTONWOOD	POPULUS DELTOIDES	10.5	15.75	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB, VINES
T-248R	HONEY LOCUST	GLEDITSIA TRIACANTHOS	11	16.5	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	
T-249R	BRADFORD PEAR	PYRUS CALLERYANA	7	10.5	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	TRUNK CO-DOMINANT
T-250R	WHITE MULBERRY	MORUS ALBA	11	16.5	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	VINES, SHALLOW ROOTS
T-251R	BRADFORD PEAR	PYRUS CALLERYANA	5	7.5	POOR	REMOVE		NO	POOR STRUCTURE, VINES
T-252R	WHITE MULBERRY	MORUS ALBA	4	6	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	VINES
T-253R	HONEY LOCUST	GLEDITSIA TRIACANTHOS	6	9	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	
T-254R	BRADFORD PEAR	PYRUS CALLERYANA	5	7.5	GOOD	REMOVE		YES. PROPOSED RATIO OF 1:1	VINES
T-255R	BLACK WILLOW	SALIX NIGRA	7.75	11.625	GOOD	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB
T-256R	BLACK WALNUT	JUGLANS NIGRA	5.75	8.625	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB, VINES
T-257R	BLACK WALNUT	JUGLANS NIGRA	5.75	8.625	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB, VINES
T-258R	SILVER MAPLE	ACER SACCHARINUM	4	6	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	POOR STRUCTURE
T-259R	SILVER MAPLE	ACER SACCHARINUM	10.25	15.375	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	POOR STRUCTURE, MULTI TRUNK
T-260R	BRADFORD PEAR	PYRUS CALLERYANA	7.25	10.875	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	
T-261R	HONEY LOCUST	GLEDITSIA TRIACANTHOS	7.5	11.25	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	POOR STRUCTURE, TRUNK DEVIATION FROM VERTICAL
T-262R	HONEY LOCUST	GLEDITSIA TRIACANTHOS	4.5	6.75	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	
T-263R	HONEY LOCUST	GLEDITSIA TRIACANTHOS	11.25	16.875	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	POOR STRUCTURE, ROT/DECAY, BRANCH COVERED IN FUNGI
T-264R	HONEY LOCUST	GLEDITSIA TRIACANTHOS	5	7.5	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	
T-265R	HONEY LOCUST	GLEDITSIA TRIACANTHOS	6.25	9.375	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	POOR STRUCTURE, VINES
T-266R	AMERICAN SYCAMORE	PLATANUS OCCIDENTALIS	11.25	16.875	GOOD	REMOVE		YES. PROPOSED RATIO OF 1:1	DEAD LIMB, CRITICAL ROOT MAY BE WITHIN LOD
T-267R	BLACK WILLOW	SALIX NIGRA	14.5	21.75	POOR	REMOVE		NO	DEAD LIMB, TRUNK DEVIATION FROM VERTICAL, CRITICAL ROOT MAY BE WITHIN LOD, MULTI TRUNK WITH ONE DEAD
T-268R	HONEY LOCUST	GLEDITSIA TRIACANTHOS	6	9	FAIR	REMOVE		YES. PROPOSED RATIO OF 1:1	POOR STRUCTURE, TRUNK CO-DOMINANT



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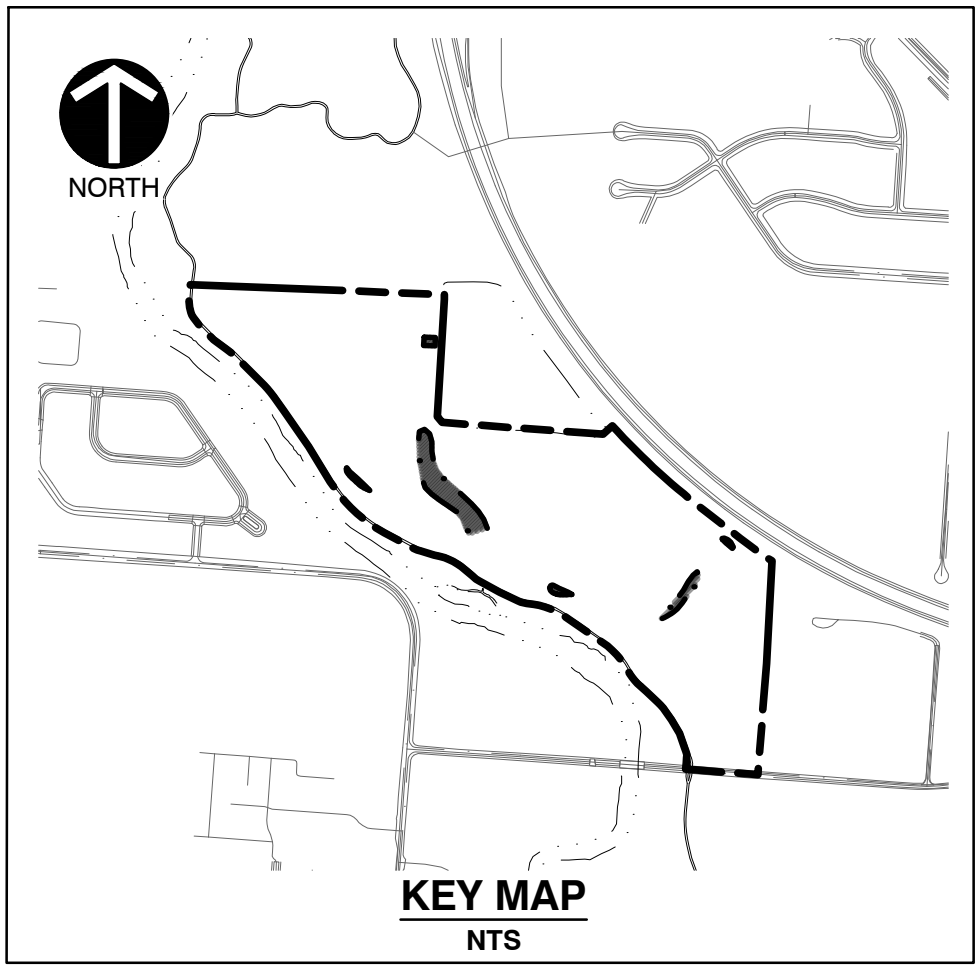
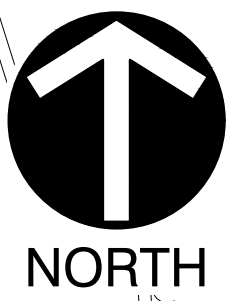
TABLE 1: EXISTING PUBLIC TREE TABLE (CONT.)									
TREE TAG ID	COMMON NAME	BOTANICAL NAME	DIAMETER AT STANDARD HEIGHT (IN.)	CRITICAL ROOT ZONE RADIUS (FT.)	CONDITION	ACTION	PROTECTION MEASURES	MITIGATION REQUIRED (Y/N)	CONDITION ATTRIBUTE NOTES
T-4	WHITE ASH	FRAXINUS AMERICANA	16	24	CRITICAL	DO NOT DISTURB		NO	DEAD LIMB, POOR STRUCTURE, TRUNK CO-DOMINANT, TRUNK CRACKED, DAMAGED BARK, ROT/DECAY, 2/3 TRUNKS DEAD
T-5	CRAB APPLE	MALUS CORONARIA	18	27	POOR	DO NOT DISTURB		NO	DEAD LIMB, TRUNK CO-DOMINANT
T-6	WHITE ASH	FRAXINUS AMERICANA	21	31.5	POOR	DO NOT DISTURB		NO	DEAD LIMB, POOR STRUCTURE, TRUNK CO-DOMINANT, TRUNK CRACKED, DAMAGED BARK, ROT/DECAY
T-7	RED MAPLE	ACER RUBRUM	15	22.5	POOR	DO NOT DISTURB		NO	TRUNK CO-DOMINANT, DAMAGED BARK, ROT/DECAY, CAVITY, DAMAGED BASE
T-8	RED MAPLE	ACER RUBRUM	15	22.5	FAIR	DO NOT DISTURB		NO	TRUNK CO-DOMINANT
T-9	RED MAPLE	ACER RUBRUM	12	18	FAIR	DO NOT DISTURB		NO	TRUNK CO-DOMINANT, ROT/DECAY, BASE DAMAGED
T-10	RED MAPLE	ACER RUBRUM	12	18	FAIR	DO NOT DISTURB		NO	TRUNK CO-DOMINANT,
T-11	RED MAPLE	ACER RUBRUM	11.5	17.25	FAIR	DO NOT DISTURB		NO	TRUNK CO-DOMINANT
T-12	RED MAPLE	ACER RUBRUM	10.5	15.75	POOR	DO NOT DISTURB		NO	TRUNK CO-DOMINANT, POOR STRUCTURE, ROT/DECAY, VINES, CO DOMINANCE STARTS AT 1FT FROM BASE
T-13	HONEY LOCUST	GLEDITSIA TRIACANTHOS	15	22.5	GOOD	DO NOT DISTURB	HIGH VISIBILITY FENCING	NO	VINES
T-14	BOXELDER MAPLE	ACER NEGUNDO	4	6	FAIR	DO NOT DISTURB		NO	, REMOVE THIS TREE AND MULTIPLE HONEYSUCKLE AND OSAGE.
T-15	GREEN ASH	FRAXINUS PENNSYLVANICA	8.5	12.75	CRITICAL	DO NOT DISTURB		NO	DEAD LIMB, TRUNK CO-DOMINANT, DAMAGED BARK
T-16	AMERICAN ELM	ULMUS AMERICANA	8.25	8.25	FAIR	DO NOT DISTURB	HIGH VISIBILITY FENCING	NO	DEAD LIMB, POOR STRUCTURE
T-17	BOXELDER MAPLE	ACER NEGUNDO	4.25	6.375	FAIR	DO NOT DISTURB	HIGH VISIBILITY FENCING	NO	VINES
T-18	BOXELDER MAPLE	ACER NEGUNDO	4.5	6.75	FAIR	DO NOT DISTURB	HIGH VISIBILITY FENCING	NO	
T-19	GREEN ASH	FRAXINUS PENNSYLVANICA	5.25	7.875	GOOD	DO NOT DISTURB	HIGH VISIBILITY FENCING	NO	
T-20	BLACK WILLOW	SALIX NIGRA	11	16.5	FAIR	DO NOT DISTURB	HIGH VISIBILITY FENCING	NO	DEAD LIMB, POOR STRUCTURE, LEANING
T-21	HONEY LOCUST	GLEDITSIA TRIACANTHOS	11.5	17.25	FAIR	DO NOT DISTURB	HIGH VISIBILITY FENCING	NO	TRUNK CO-DOMINANT, CO DOMINANCE STARTS 1 FT FROM BASE
T-22	WHITE MULBERRY	MORUS ALBA	11.5	17.25	POOR	DO NOT DISTURB	HIGH VISIBILITY FENCING	NO	DEAD LIMB, POOR STRUCTURE, TRUNK CO-DOMINANT, INVASIVE
T-23	RED MAPLE	ACER RUBRUM	25.5	38.25	FAIR	DO NOT DISTURB	HIGH VISIBILITY FENCING	NO	DEAD LIMB, TRUNK CRACKED, ROT/DECAY, FREEZE CRACKING
T-24	GREEN ASH	FRAXINUS PENNSYLVANICA	5	7.5	FAIR	DO NOT DISTURB	HIGH VISIBILITY FENCING	NO	POOR STRUCTURE, PRUNE DEAD BRANCHES
T-25	WHITE MULBERRY	MACLURA POMIFERA	15	22.5	POOR	DO NOT DISTURB	HIGH VISIBILITY FENCING	NO	DEAD LIMB, POOR STRUCTURE, TRUNK CO-DOMINANT, INVASIVE SPECIES
T-26	AMERICAN ELM	ULMUS AMERICANA	7	10.5	GOOD	DO NOT DISTURB	HIGH VISIBILITY FENCING	NO	DEAD LIMB, VINES, PRUNE DEAD LIMBS REMOVE POISON IVY
T-27	RED MAPLE	ACER RUBRUM	5	7.5	POOR	DO NOT DISTURB	HIGH VISIBILITY FENCING	NO	POOR STRUCTURE, ROT/DECAY, TRUNK DECAY
T-28	WHITE MULBERRY	MORUS ALBA	21	31.5	POOR	DO NOT DISTURB	HIGH VISIBILITY FENCING	NO	DEAD LIMB, POOR STRUCTURE, TRUNK CO-DOMINANT, VINES
T-29	BLACK CHERRY	PRUNUS SEROTINA	11.5	17.25	CRITICAL	DO NOT DISTURB		NO	DEAD LIMB, POOR STRUCTURE, TRUNK CRACKED, VINES, ROT/DECAY
T-30	HACKBERRY	CELTIS OCCIDENTALIS	8	12	FAIR	DO NOT DISTURB		NO	MULTI TRUNKED
T-31	SHAGBARK HICKORY	CARYA OVATA	30.5	45.75	GOOD	DO NOT DISTURB		NO	NO MITIGATION PROPOSED. TREE REMOVAL ASSOCIATED WITH OTHER PROJECT. DEAD LIMB. FEW DEAD LIMBS NEED TO BE PRUNED
T-32*	EASTERN COTTONWOOD	POPULUS DELTOIDES	27	40.5	GOOD	DO NOT DISTURB	HIGH VISIBILITY FENCING, 12" MULCHING AS NEEDED	NO	NO MITIGATION PROPOSED. TREE REMOVAL ASSOCIATED WITH OTHER PROJECT. MAY NEED TO PRUNE SOME LOWER LIMBS
T-33*	WHITE MULBERRY	MORUS ALBA	16.5	24.75	POOR	DO NOT DISTURB	HIGH VISIBILITY FENCING, 12" MULCHING AS NEEDED	NO	NO MITIGATION PROPOSED. TREE REMOVAL ASSOCIATED WITH OTHER PROJECT. DEAD LIMB, POOR STRUCTURE, PEST/DISEASE, CAVITY, ROT/DECAY, MULTI-TRUNKED, BLACK MOLD AT BASE
T-34*	BRADFORD PEAR	PYRUS CALLERYANA	12.5	18.75	FAIR	DO NOT DISTURB	HIGH VISIBILITY FENCING, 12" MULCHING AS NEEDED	NO	NO MITIGATION PROPOSED. TREE REMOVAL ASSOCIATED WITH OTHER PROJECT. , SOME LIMBS LOST DURING SEWER CLEARING
T-35*	BLACK CHERRY	PRUNUS SEROTINA	15	22.5	POOR	DO NOT DISTURB		NO	NO MITIGATION PROPOSED. TREE REMOVAL ASSOCIATED WITH OTHER PROJECT. DEAD LIMB, VINES, TRUNK CO-DOMINANT, ROT/DECAY, CAVITY
T-36*	HACKBERRY	CELTIS OCCIDENTALIS	5	7.5	POOR	DO NOT DISTURB		NO	NO MITIGATION PROPOSED. TREE REMOVAL ASSOCIATED WITH OTHER PROJECT. , TREE GROWING THROUGH METAL WIRE FENCE
T-37*	HACKBERRY	CELTIS OCCIDENTALIS	8	12	FAIR	DO NOT DISTURB		NO	NO MITIGATION PROPOSED. TREE REMOVAL ASSOCIATED WITH OTHER PROJECT. DEAD LIMB, DEAD LOWER BRANCHES
T-38*	WHITE MULBERRY	MORUS ALBA	9.5	14.25	POOR	DO NOT DISTURB		NO	NO MITIGATION PROPOSED. TREE REMOVAL ASSOCIATED WITH OTHER PROJECT. DEAD LIMB, ROT/DECAY, CAVITY, WEEPING DOWN SIDE
T-39*	WHITE MULBERRY	MORUS ALBA	9	13.5	POOR	DO NOT DISTURB		NO	NO MITIGATION PROPOSED. TREE REMOVAL ASSOCIATED WITH OTHER PROJECT. DEAD LIMB, VINES, SOME LIMBS REMOVED DURING SEWER CLEARING
T-40*	RED MULBERRY	MORUS RUBRA	12	18	CRITICAL	DO NOT DISTURB		NO	NO MITIGATION PROPOSED. TREE REMOVAL ASSOCIATED WITH OTHER PROJECT. DEAD LIMB, POOR STRUCTURE, DAMAGED BARK, ROT/DECAY, CAVITY, TREE GROWING INTO METAL FENCE, CAUSING GIRDLING ON TRUNK.
T-41*	HACKBERRY	CELTIS OCCIDENTALIS	38	57	FAIR	DO NOT DISTURB		NO	NO MITIGATION PROPOSED. TREE REMOVAL ASSOCIATED WITH OTHER PROJECT. DEAD LIMB, VINES, MULTI-TRUNK, NEED TO TRIM BACK DEAD LIMBS
T-42*	EASTERN COTTONWOOD	POPULUS DELTOIDES	23	34.5	GOOD	DO NOT DISTURB		NO	NO MITIGATION PROPOSED. TREE REMOVAL ASSOCIATED WITH OTHER PROJECT. VINES, REMOVE VINES, POSSIBLY TRIM LOWER BRANCHES
T-43*	HACKBERRY	CELTIS OCCIDENTALIS	23.5	35.25	FAIR	DO NOT DISTURB		NO	NO MITIGATION PROPOSED. TREE REMOVAL ASSOCIATED WITH OTHER PROJECT. DEAD LIMB, VINES, PRUNE BRANCHES AND VINES
T-190*	WHITE MULBERRY	MORUS ALBA	10	15	POOR	DO NOT DISTURB	HIGH VISIBILITY FENCING, 12" MULCHING AS NEEDED	NO	NO MITIGATION PROPOSED. TREE REMOVAL ASSOCIATED WITH OTHER PROJECT. DEAD LIMB, VINES, CAVITY, SHALLOW ROOT
T-191*	BOXELDER MAPLE	ACER NEGUNDO	10	15	POOR	DO NOT DISTURB	HIGH VISIBILITY FENCING, 12" MULCHING AS NEEDED	NO	NO MITIGATION PROPOSED. TREE REMOVAL ASSOCIATED WITH OTHER PROJECT. DEAD LIMB, POOR STRUCTURE, TRUNK CRACKED
T-192	GREEN ASH	FRAXINUS PENNSYLVANICA	5.5	8.25	POOR	DO NOT DISTURB		NO	DEAD LIMB, VINES
T-194	BOXELDER MAPLE	ACER NEGUNDO	7	10.5	CRITICAL	DO NOT DISTURB		NO	DEAD LIMB, POOR STRUCTURE, TRUNK DEVIATION FROM VERTICAL, DAMAGED BARK, NEARLY HORIZONTAL BUT LIVING
T-196	BOXELDER MAPLE	ACER NEGUNDO	8	12	CRITICAL	DO NOT DISTURB		NO	DEAD LIMB, POOR STRUCTURE, VINES, TRUNK DEVIATION FROM VERTICAL, DAMAGED BARK, ROT/DECAY, CAVITY
T-197	BOXELDER MAPLE	ACER NEGUNDO	5.5	8.25	POOR	DO NOT DISTURB		NO	DEAD LIMB, POOR STRUCTURE, VINES, TRUNK CRACKED, DAMAGED BARK
T-198	BOXELDER MAPLE	ACER NEGUNDO	5	7.5	CRITICAL	DO NOT DISTURB		NO	DEAD LIMB, POOR STRUCTURE, TRUNK DEVIATION FROM VERTICAL, DAMAGE BARK, CROWN DIEBACK, ROT/DECAY
T-199	BOXELDER MAPLE	ACER NEGUNDO	12	18	POOR	DO NOT DISTURB		NO	DEAD LIMB, POOR STRUCTURE, VINES
T-201	HACKBERRY	CELTIS OCCIDENTALIS	7	10.5	FAIR	DO NOT DISTURB		NO	CRITICAL ROOT INSIDE LOD
T-202	EUROPEAN ALDER	ALNUS GLUTINOSA	10	15	FAIR	DO NOT DISTURB		NO	MULTI TRUNK, CHANGE TO BLACK ALDER.
T-203	HACKBERRY	CELTIS OCCIDENTALIS	21	31.5	POOR	DO NOT DISTURB		NO	DEAD LIMB, VINES, CAVITY, ROT/DECAY, CAVITY NEAR BASE
T-204	EASTERN COTTONWOOD	POPULUS DELTOIDES	24	36	FAIR	DO NOT DISTURB		NO	DEAD LIMB, CRITICAL ROOT WITHIN LOD, MAY NEED REMOVAL DEPENDING ON GRADING, NEAR POND EDGE
T-205	BLACK WALNUT	JUGLANS NIGRA	7.75	11.625	POOR	DO NOT DISTURB		NO	POOR STRUCTURE, TRUNK CO-DOMINANT, VINES, DEAD LIMB, ONE CO-DOMINANT TRUNK DEAD
T-227	EASTERN COTTONWOOD	POPULUS DELTOIDES	29	43.5	FAIR	DO NOT DISTURB	HIGH VISIBILITY FENCING, 12" MULCHING AS NEEDED	NO	VINES, MULTI TRUNK, CRITICAL ROOT MAY BE WITHIN LOD
T-228	CRAB APPLE	MALUS CORONARIA	13	19.5	FAIR	DO NOT DISTURB	HIGH VISIBILITY FENCING, 12" MULCHING AS NEEDED	NO	MULTI TRUNK, CRITICAL ROOT MAY BE WITHIN LOD
T-230R	AMERICAN SYCAMORE	PLATANUS OCCIDENTALIS	10.5	15.75	GOOD	DO NOT DISTURB	HIGH VISIBILITY FENCING	NO	CRITICAL ROOT MAY BE WITHIN LOD
T-233R	AMERICAN SYCAMORE	PLATANUS OCCIDENTALIS	5.75	8.625	FAIR	DO NOT DISTURB	HIGH VISIBILITY FENCING, MULCHING AS NEEDED	NO	
T-246	EASTERN COTTONWOOD	POPULUS DELTOIDES	17.5	26.25	FAIR	DO NOT DISTURB	HIGH VISIBILITY FENCING, 12" MULCHING AS NEEDED	NO	VINES, TRUNK CO-DOMINANT, DEAD LIMB, CRITICAL ROOT MAY BE WITHIN LOD
T-247	EASTERN COTTONWOOD	POPULUS DELTOIDES	17.25	25.875	GOOD	DO NOT DISTURB	HIGH VISIBILITY FENCING	NO	VINES, CRITICAL ROOT MAY BE WITHIN LOD
*TREE IMPACT ASSOCIATED WITH ALUM CREEK TRUNK SOUTH SANITARY SEWER REHABILITATION -- PHASE 1 CAPITAL IMPROVEMENTS PROJECT NO. 350725-100004.									

TABLE 2: REQUIRED TREE MITIGATION SUMMARY TABLE			
TYPE	UNIT QTY (IN @ DSH)	MITIGATION RATIO	MITIGATION REQUIRED (IN)
CRITICAL-DEAD-POOR	647	0	0
FAIR-GOOD	1905	1	1905
TOTAL			1905

TABLE 3: PROPOSED TREE MITIGATION SUMMARY TABLE			
TYPE	UNIT QTY (EA)	INCHES PER UNIT	MITIGATION PROVIDED (IN)
2" CALIPER TREES	200	2	400
BARE ROOT SAPLINGS -- TREES	12284	0.25	3071
TOTAL			3471



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LEGEND

	PROPOSED PROJECT LIMITS
	EXISTING CANOPY DRIP LINE (APPROX.)
	EXISTING OVERHEAD ELECTRICAL LINE
	EXISTING ELECTRICAL POLE
	EXISTING UNDERGROUND SEWER LINE
	EXISTING DITCH
	EXISTING FENCE
	EXISTING ROAD
	EXISTING GRAVEL PARKING
	EXISTING PAVED PATH
	EXISTING PARCEL BOUNDARY
	EXISTING RIGHT-OF-WAY
	EXISTING WATERBODY
	PROPOSED CONTOUR (MAJOR)
	PROPOSED CONTOUR (MINOR)
	PROPOSED WALKING TRAIL
	PROPOSED LIMESTONE PATH*
	PROPOSED WETLAND SEEDING AREA
	PROPOSED UPLAND SEEDING AREA
	PROPOSED WETLAND WOODY PLANTING AREA
	PROPOSED WETLAND PLANTING AND LIVE STAKE AREA
	PROPOSED UPLAND WOODY PLANTING AREA

*NOT TO SCALE

- KEY NOTE ITEMS**
- EXISTING ALUM CREEK MULTI-USE TRAIL TO REMAIN.
 - PROPOSED WETLAND DEPRESSION.
 - PROPOSED 500-LF BERM, TOP ELEV 732.0-FT AMSL.
 - PROPOSED 820-LF BERM, TOP ELEV 730.0-FT AMSL, SPILLWAY ELEV 729.5-FT AMSL.
 - PROPOSED MOWED PATH. ON GRADE.
 - PROPOSED ADA COMPLIANT ACCESS PATH AND OVERLOOK.
 - PROPOSED WETLAND SEEDING AREA.
 - PROPOSED UPLAND SEEDING AREA.
 - PROPOSED WETLAND WOODY PLANTING AREA.
 - PROPOSED WETLAND LIVE STAKE AND WOODY PLANTING AREA.
 - PROPOSED UPLAND WOODY PLANTING AREA.

- GENERAL NOTES**
- ALL WETLAND PLANTING AREAS TO BE SEEDED IN ACCORDANCE WITH SHEET 13, TABLE 4.
 - ALL UPLAND PLANTING AREAS TO BE SEEDED IN ACCORDANCE WITH SHEET 13, TABLE 5.
 - BARE ROOTS TO BE PLANTED IN WETLAND WOODY PLANTING AREAS IN ACCORDANCE WITH SHEET 13, TABLE 6.
 - BARE ROOTS TO BE PLANTED IN UPLAND WOODY PLANTING AREAS IN ACCORDANCE WITH SHEET 13, TABLE 7.
 - LIVE STAKES TO BE PLANTED WITHIN WETLAND DEPRESSIONS IN ACCORDANCE WITH SHEET 13, TABLE 8.
 - CONTRACTOR SHALL REFER TO THE LANDSCAPE PLAN ON SHEET 11 TO FIELD-ADJUST BARE ROOT PLANTING AREAS.

NORTH

SCALE IN FEET

0 150 300

DRAWN BY: LAB

CHECKED BY: JKL

APPROVED BY: BJP

PROJECT NO: 340-0791

DATE: JULY 2025

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Civil & Environmental
Consultants, Inc.

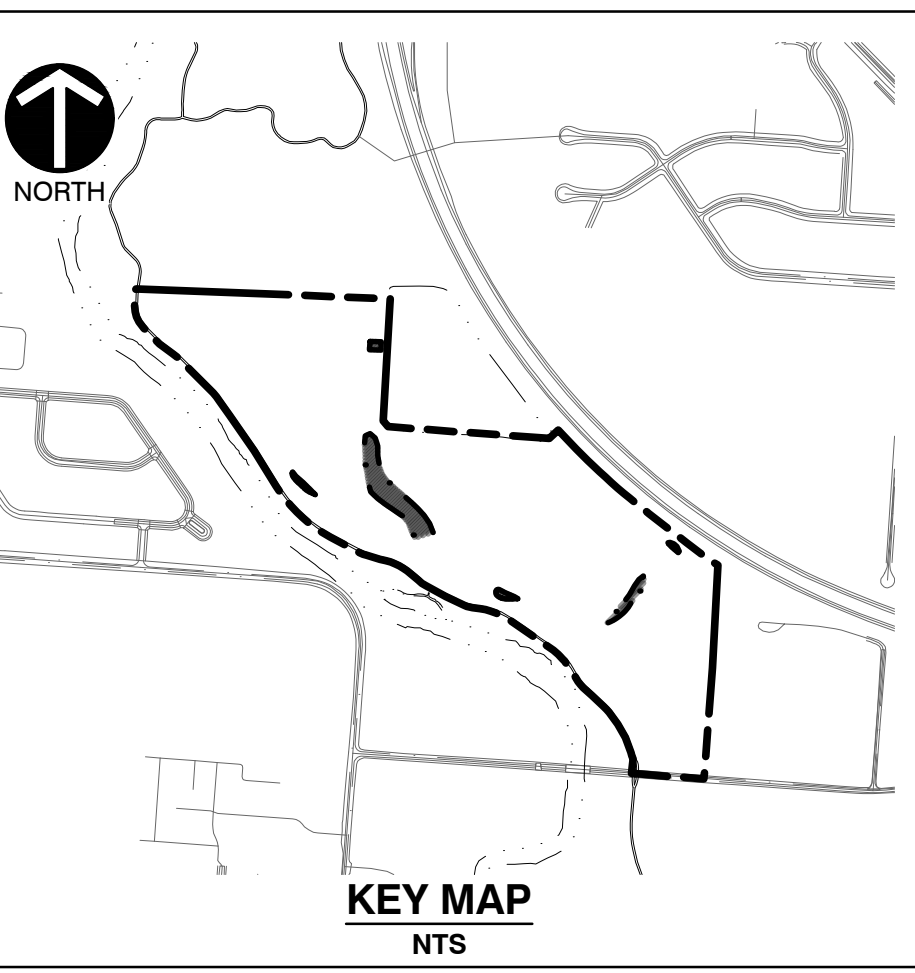
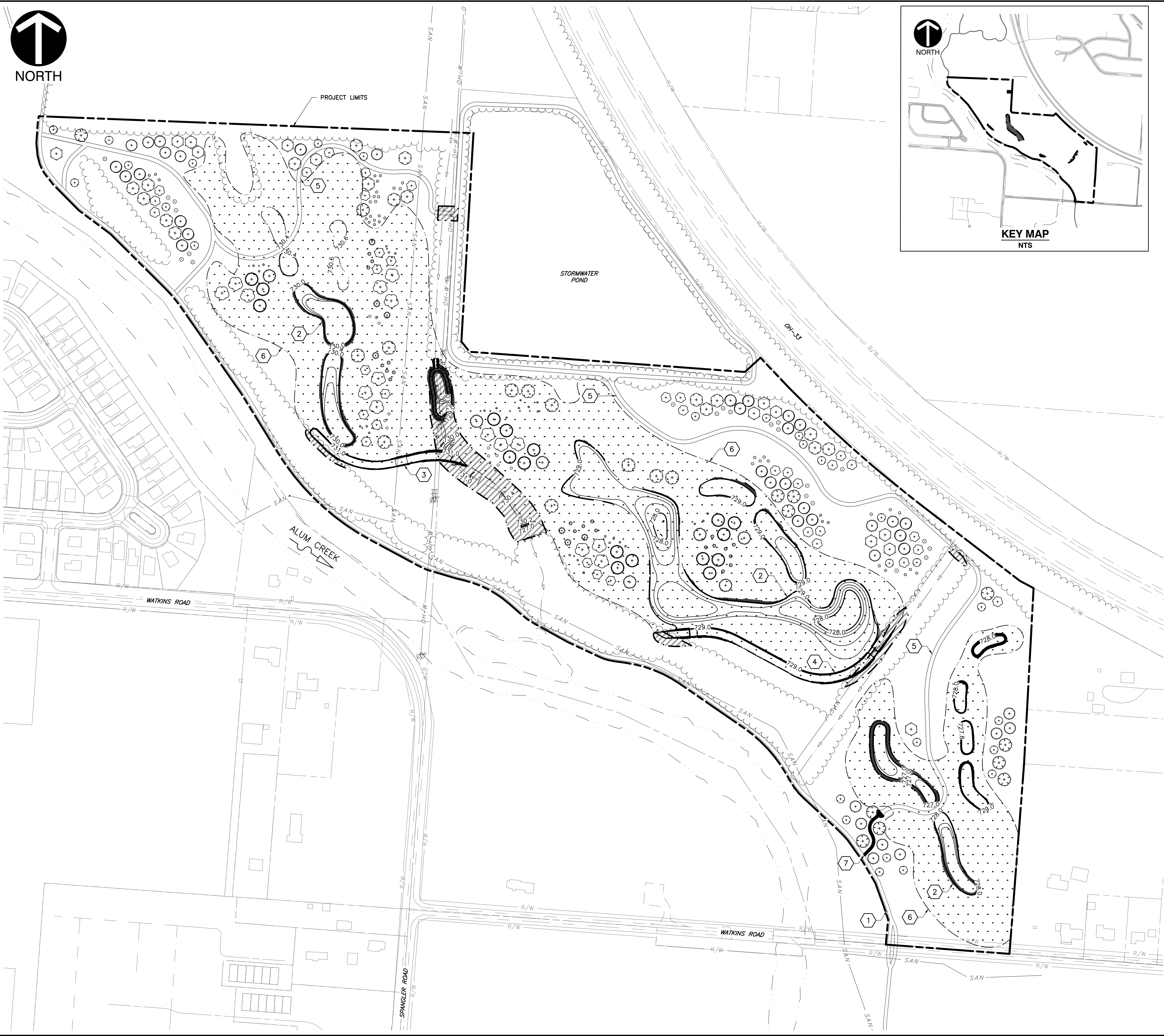
PLANTING AND MITIGATION PLAN

**THREE CREEKS WETLAND
RESTORATION PROJECT**

3086 WATKINS ROAD, CITY OF COLUMBUS, OHIO

10
13

P:\140-200\140-0791-CDD\DWG\LEGAL_TREE_PLAN\140B79-CC04-PLANTING_PLAN.DWG(1) LANDSCAPE PLAN - 5/22/2025 2:44:46 PM - LP: 6/4/2025 6:05:55 PM



LEGEND	
	PROPOSED PROJECT LIMITS
	EXISTING CANOPY DRIP LINE (APPROX.)
	EXISTING OVERHEAD ELECTRICAL LINE
	EXISTING ELECTRICAL POLE
	EXISTING UNDERGROUND SEWER LINE
	EXISTING DITCH
	EXISTING FENCE
	EXISTING ROAD
	EXISTING GRAVEL PARKING
	EXISTING PAVED PATH
	EXISTING PARCEL BOUNDARY
	EXISTING RIGHT-OF-WAY
	EXISTING WATERBODY
	PROPOSED CONTOUR (MAJOR)
	PROPOSED CONTOUR (MINOR)
	PROPOSED WALKING TRAIL
	PROPOSED WETLAND RESTORATION AREA
	PROPOSED LIMESTONE PATH*
PROPOSED 2" CAL. WETLAND TREES*	
	ACER RUBRUM / RED MAPLE
	BETULA NIGRA / RIVER BIRCH
	QUERCUS PALUSTRIS / PIN OAK
	PLATANUS OCCIDENTALIS / AMERICAN SYCAMORE
	QUERCUS BICOLOR / SWAMP WHITE OAK
	SALIX NIGRA / BLACK WILLOW
PROPOSED 2-GAL WETLAND SHRUBS*	
	ALNUS SERRULATA / SMOOTH ALDER
	ARONIA ARBUTIFOLIA / RED CHOKEBERRY
	CEPHALANTHUS OCCIDENTALIS / BUTTONBUSH
	SAMBUCUS CANADENSIS / AMERICAN ELDERBERRY
PROPOSED 2" CAL. UPLAND TREES*	
	ACER SACCHARUM / SUGAR MAPLE
	CELTIS OCCIDENTALIS / COMMON HACKBERRY
	CERCIS CANADENSIS / EASTERN REDBUD
	LIRIODENDRON TULIPIFERA / TULIP POPLAR
	QUERCUS ALBA / WHITE OAK
	QUERCUS MACROCARPA / BURR OAK
	QUERCUS RUBRA / NORTHERN RED OAK
PROPOSED 2-GAL UPLAND SHRUBS*	
	AMELANCHIER LAEVIS / ALLEGHENY SERVICEBERRY
	HAMAMELIS VIRGINIANA / COMMON WITCH HAZEL
	VIBURNUM DENTATUM / ARROWWOOD VIBURNUM
	VIBURNUM LENTAGO / NANNYBERRY
	VIBURNUM PRUNIFOLIUM / BLACKHAW VIBURNUM
*NOT TO SCALE	

- KEY NOTE ITEMS (#)**
- EXISTING ALUM CREEK MULTI-USE TRAIL TO REMAIN.
 - PROPOSED WETLAND DEPRESSION.
 - PROPOSED 500-LF BERM, TOP ELEV 732.0-FT AMSL.
 - PROPOSED 820-LF BERM, TOP ELEV 730.0-FT AMSL, SPILLWAY ELEV 729.5-FT AMSL.
 - PROPOSED MOWED PATH. ON GRADE.
 - PROPOSED WETLAND RESTORATION AREA.
 - PROPOSED ADA COMPLIANT ACCESS PATH AND OVERLOOK.

NORTH

SCALE IN FEET

0 150 300

DRAWN BY: LAB

CHECKED BY: JKL

APPROVED BY: BJP

PROJECT NO: 340-879

DATE: JULY 2025

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Civil & Environmental
Consultants, Inc.

LANDSCAPE PLAN

**THREE CREEKS WETLAND
RESTORATION PROJECT**

3086 WATKINS ROAD, CITY OF COLUMBUS, OHIO

11
13



12 NOT TO SCALE

- ## NOTES



1. FOR GROUPS OF TREES PLACE BARRICADES BETWEEN TREES AND CONSTRUCTION ACTIVITY AT THE EDGE OF THE TREES CRITICAL ROOT ZONE.

3. SEE COLUMBUS TREE TECHNICAL MANUAL FOR ADDITIONAL TREE PROTECTION REQUIREMENTS.

12 NOT TO SCALE



1. INSTALL TREE PROTECTION FENCING AS SHOWN ON THIS PLAN OR AS DIRECTED BY THE CERTIFIED ARBORIST. ANY ADJUSTMENTS TO FENCING LOCATIONS MUST BE PRE-APPROVED BY THE ARBORIST. ANY DEVIATION FROM THIS PLAN IS DEEMED A VIOLATION AND BE CORRECTED BY THE

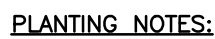
4. COVER EXPOSED ROOTS AND PROVIDE SUPPLEMENTAL WATER AS NECESSARY. PROVIDE AN EXTENDED RECOVERY PERIOD IF LARGE ROOTS OR A LARGE PERCENTAGE OF ROOTS ARE REMOVED.

$\left(\frac{4}{12}\right)$ NOT TO SCALE



- NOTES:

12 NOT TO SCALE



1. HARVEST WILLOW AND/OR ALDER SPECIES ON-SITE OR PURCHASE STAKES AND PLANT THROUGHOUT MICRO-TOPOGRAPHY AREAS, WETLAND CELLS AND ALONG STREAM BANKS AT A 12-FOOT CENTER SPACING RATE TO ACHIEVE AT LEAST 30 STEMS PER ACRE DURING THE DORMANT SEASON.

4. SOAK CUTTINGS FOR AT LEAST 24 HOURS PRIOR TO INSTALLATION. SOAK FOR 5-7 DAYS FOR BEST

$\frac{9}{12}$ **LIVE STAKE**
 NOT TO SCALE



- GENERAL NOTES

1. WHEN PRUNING, PROTECT THE BRANCH COLLAR, WHICH IS ESSENTIAL FOR WOUNDS TO CLOSE

2. DO NOT LEAVE STUB.

3. DO NOT FLUSH CUT AGAINST TRUNK

4. CLIMBING IRONS OR SPIKES SHALL NOT BE USED ON ANY TREE THAT IS SCHEDULED FOR PRUNING. TREES SHALL BE RAISED NO MORE THAN $\frac{1}{2}$ THE HEIGHT OF THE TREE, EXCEPTIONS WITH APPROVAL OF THE RECREATION AND PARKS DEPARTMENT FORESTRY SECTION.

5. FOLLOW ALL APPLICABLE STANDARDS IN THE COLUMBUS TREE TECHNICAL MANUAL



1. CAREFULLY UNTANGLE THE ROOTS AND SOAK THE ROOTS IN WATER 3 TO 6 HOURS. DO NOT ALLOW THE ROOTS TO DRY OUT.

2. DIG THE PLANTING HOLE AS DEEP AS THE ROOTS AND AT LEAST TWICE AS WIDE. LOOSEN THE SIDES OF THE HOLE WITH A SHOVEL OR SPADE FORK, ESPECIALLY IF SOIL IS HEAVY CLAY.

3. FORM A CONE OF LOOSE SOIL IN THE CENTER OF THE HOLE AND SPREAD THE ROOTS OVER IT. POSITION THE PLANT'S HEIGHT SO THAT THE CROWN IS AT OR SLIGHTLY BELOW THE SOIL SURFACE.

4. FILL THE PLANTING HOLE AND COVER THE ROOTS WITH NATIVE SOIL ALONG THE SIDES OF THE PLANTING HOLE. TAMP DOWN GENTLY TO KEEP THE PLANT FIRMLY IN PLACE.

5. SLOWLY AND DEEPLY SOAK THE AREA WITH WATER.

DATE _____
NOT TO SCALE

COMMON NAME	SCIENTIFIC NAME	INDICATOR STATUS*	COEFFICIENT OF CONSERVATISM	DENSITY	LBS PER ACRE	TOTAL QUANTITY (LBS)
Virginia Wild Rye	<i>Elymus virginicus</i>	FACW	3	35.00%	5.25	102.47
Nodding Wild Rye	<i>Elymus canadensis</i>	FACU	6	17.00%	2.55	49.77
Riverbank Wild Rye	<i>Elymus riparius</i>	FACW	5	16.70%	2.51	48.89
Big Bluestem	<i>Andropogon gerardii</i>	FAC	5	4.00%	0.60	11.71
Showy Tick Trefoil	<i>Desmodium canadense</i>	FACU	4	3.12%	0.47	9.13
Deer-tongue Grass	<i>Dichanthelium clandestin</i>	FACW	2	3.00%	0.45	8.78
Wild Senna	<i>Senna hebecarpa</i>	FACW	4	3.00%	0.45	8.78
Black-eyed Susan	<i>Rudbeckia hirta</i>	FACU	1	2.50%	0.38	7.32
Common Milkweed	<i>Asclepias syriaca</i>	FACU	1	2.00%	0.30	5.86
Dense Blazingstar	<i>Liatris spicata</i>	FAC	7	2.00%	0.30	5.86
Switch Grass	<i>Panicum virgatum</i>	FAC	4	2.00%	0.30	5.86
Wild Bergamot	<i>Monarda fistulosa</i>	FACU	3	1.87%	0.28	5.47
Golden Alexanders	<i>Zizia aurea</i>	FAC	6	1.56%	0.23	4.57
Rose Milkweed	<i>Asclepias incarnata</i>	OBL	4	1.56%	0.23	4.57
Wingstem	<i>Actinomeris alternifolia</i>	FACW	5	1.25%	0.19	3.66
Yellow Coneflower	<i>Ratibida pinnata</i>	UPL	5	1.00%	0.15	2.93
Blue Vervain	<i>Verbena hastata</i>	FACW	4	0.62%	0.09	1.82
Autumn Bentgrass	<i>Agrostis perennans</i>	FAC	4	0.47%	0.07	1.38
Ohio Spiderwort	<i>Tradescantia ohiensis</i>	FACU	5	0.40%	0.06	1.17
Narrow Leaved Mountain Mint	<i>Pycnanthemum tenuifolium</i>	FAC	4	0.19%	0.03	0.56
Spotted Joe Pye	<i>Eupatorium maculatum</i>	OBL	6	0.19%	0.03	0.56
Woolgrass	<i>Scirpus cyperinus</i>	OBL	1	0.15%	0.02	0.44
Dwarf Goldenrod	<i>Solidago nemoralis</i>	UPL	2	0.12%	0.02	0.35
Path Rush	<i>Juncus tenuis</i>	FAC	1	0.10%	0.02	0.29
Stiff Goldenrod	<i>Solidago rigida</i>	FACU	8	0.10%	0.02	0.29
New England Aster	<i>Aster novae-angliae</i>	FACW	2	0.10%	0.02	0.29
Total:				100.00%	15	292.8

- To be broadcast spread or seed drilled at 15.0 lbs per acre.

* Wetland indicator status based on Midwest USDA and USACE subregion.

- Substitutions may be made based upon availability and coordination with engineer.

TYPE	SCIENTIFIC NAME	COMMON NAME	INDICATOR STATUS*	COEFFICIENT OF CONSERVATISM	TOTAL UPLAND BARE ROOT QUANTITY
CANOPY TREES	<i>Acer saccharum</i>	Sugar Maple	FACU	5	415
	<i>Quercus rubra</i>	Red Oak	FACU	6	415
	<i>Morus rubra</i>	Red Mulberry	FACU	7	426
	<i>Celtis occidentalis</i>	Hackberry	FAC	4	426
	<i>Cercis canadensis</i>	Redbud	FACU	3	415
	<i>Gleditsia triacanthos</i>	Honey Locust	FACU	4	415
	<i>Liriodendron tulipifera</i>	Tulip Poplar	FACU	6	415
	<i>Quercus alba</i>	White Oak	FACU	6	415
	<i>Quercus macrocarpa</i>	Bur Oak	FAC	6	426
	<i>Quercus muehlenbergii</i>	Chinquapin Oak	FACU	7	426
	<i>Prunus serotina</i>	Black Cherry	FACU	3	415
	TOTAL:				4,610
SHRUBS	<i>Aronia melanocarpa</i>	Black chokeberry	FACW	5	221
	<i>Amelanchier laevis</i>	Serviceberry	FAC	5	184
	<i>Cornus racemosa</i>	Gray Dogwood	FAC	3	194
	<i>Corylus americana</i>	Hazelnut	FACU	4	194
	<i>Hamamelis virginiana</i>	American Witchhazel	FACU	5	221
	<i>Sambucus canadensis</i>	Elderberry	FAC	3	194
	<i>Viburnum lentago</i>	Nannyberry	FAC	5	221
	<i>Viburnum dentatum</i>	Arrowwood	FAC	2	194
	<i>Viburnum prunifolium</i>	Blackhaw	FACU	4	221
	TOTAL:				1,844
TOTAL WOODY SPECIES COMBINED:					6,454
<p>* Wetland indicator status based on Midwest USDA and USACE subregion.</p> <p>- Substitutions may be made based upon availability and coordination with engineer. No single species may comprise more than 20% of habitat.</p> <p>- May substitute containerized plant stock at same density.</p> <p>- Upland planting areas defined in this table include wetland protection buffers and riparian buffers onsite.</p> <p>- Anticipate planting 250 trees and 100 shrubs per acre in upland planting areas.</p>					

TYPE	SCIENTIFIC NAME	COMMON NAME	INDICATOR STATUS*	COEFFICIENT OF CONSERVATISM	TOTAL UPLAND BARE ROOT QUANTITY
2" CAL. TREES	<i>Acer rubrum</i>	Red Maple	FAC	2	11
	<i>Betula Nigra</i>	River Birch	FACW	9	17
	<i>Quercus palustris</i>	Pin Oak	FACW	5	7
	<i>Platanus occidentalis</i>	American Sycamore	FACW	7	10
	<i>Quercus bicolor</i>	Swamp White Oak	FACW	7	15
	<i>Salix nigra</i>	Black Willow	OBL	2	7
				TOTAL:	67
2-GAL. SHRUBS	<i>Alnus serrulata</i>	Smooth Alder	OBL	6	21
	<i>Aronia arbutifolia</i>	Red Chokeberry	FACW	9	11
	<i>Cephalanthus occidentalis</i>	Buttonbush	OBL	6	17
	<i>Sambucus canadensis</i>	Elderberry	FAC	3	11
				TOTAL:	60
TOTAL WOODY SPECIES COMBINED:					127

* Wetland indicator status based on Midwest USDA and USACE subregion.

- Substitutions may be made based upon availability and coordination with engineer. No single species may comprise more than 20% of habitat.

