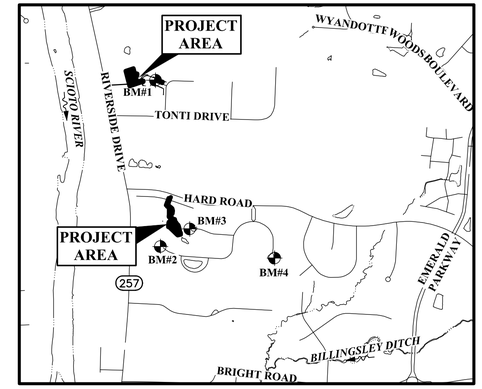
CITY OF DUBLIN, FRANKLIN COUNTY, OHIO
PLANS
FOR
DUBLIN BASIN MAINTENANCE PROGRAM 2026



LOCATION MAP
1" = 1000'

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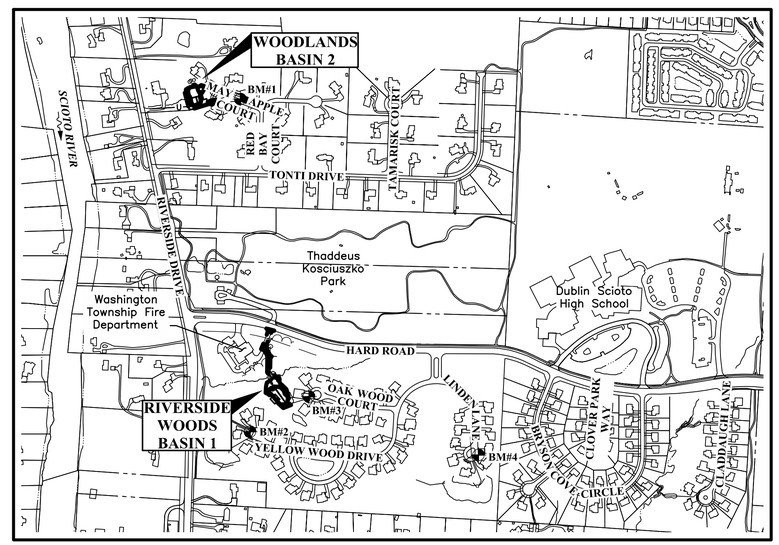

INDEX MAP
Scale: 1" = 500'

MUNICIPALITY APPROVAL

The signatures below signify only concurrence with the purpose and general location of the project and does not constitute assurance to operate as intended. All technical details remain the responsibility of the Professional Civil Engineer preparing the plans.

Approved:

Director of Engineering/City Engineer — Date
City of Dublin, Ohio
Paul A. Hammersmith, P.E.

BENCH MARKS
(NAVD 1988)

BM#1 Chiseled "X" on the south flange bolt of fire hydrant located on the north side of May Apple Court, being the first hydrant (160 feet) west of the intersection with Red Bay Court.
Northing = 774551 Easting = 1798358 Elev. = 844.05

BM#2 Chiseled "X" on the east flange bolt of fire hydrant located on the west side of Yellow Wood Drive at the end of the cul–de–sac.
Northing = 772357 Easting = 1798422 Elev. = 856.82

BM#3 Chiseled "X" on the east flange bolt of fire hydrant located on the west side of the cul–de–sac of Oak Wood Court.
Northing = 772588 Easting = 1798811 Elev. = 862.36

BM#4 Chiseled "X" on the west flange bolt of fire hydrant located on the east side of Linden Lane, being in front of residence #7361.
Northing = 772202 Easting = 1799929 Elev. = 884.27

STANDARD CONSTRUCTION DRAWINGS

The Standard Construction Drawings listed on these plans are to be considered a part thereof.

City of Columbus	City of Dublin	ODOT
AA–S102	ERO–11	CB–2–6
AA–S151	RDW–01	
AA–S153	RDW–02	
AA–S161	RDW–03	
AA–S168	RDW–05	
	RDW–07	
	RDW–15	
	STM–01	
	STM–02	
	STM–03	
	STM–04	
	STM–05	
	STM–08	

GRAPHIC SCALE
0 250 500 1000
1 inch = 500 feet

OWNER
City of Dublin
6555 Shier Rings Road
Dublin, Ohio 43016
Tel: (614) 410–4740

OHIO811.org
Before You Dig

PREPARED BY:

EMH&T
Evans, Mechwart, Hambleton & Tilton, Inc.
Engineers • Surveyors • Planners • Scientists
5500 New Albany Road, Columbus, OH 43054
Phone: 614.775.4500 Toll Free: 888.775.3648
emht.com

Registered Engineer: Alex Jensen, PE, CFM — Date
5500 New Albany Road, Columbus, Ohio 43054
Telephone: (614)–775–4500
Email: djensen@emht.com

REVISIONS

MARK	DATE	DESCRIPTION

CITY OF DUBLIN

CITY OF DUBLIN, FRANKLIN COUNTY, OHIO
PLANS
FOR
DUBLIN BASIN MAINTENANCE PROGRAM 2026
TITLE SHEET

DATE: AUGUST 2026
SCALE: AS NOTED
JOB NO.: 2025-0015
SHEET: 01/29

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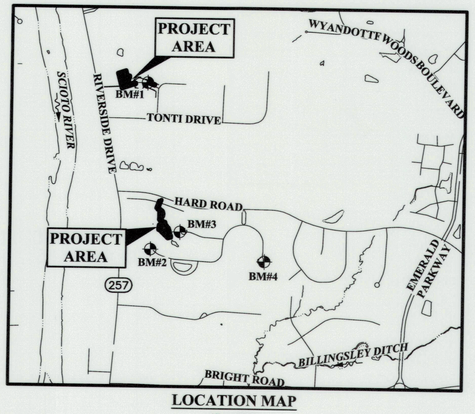
CITY OF DUBLIN, FRANKLIN COUNTY, OHIO
PLANS
FOR
DUBLIN BASIN MAINTENANCE PROGRAM 2026



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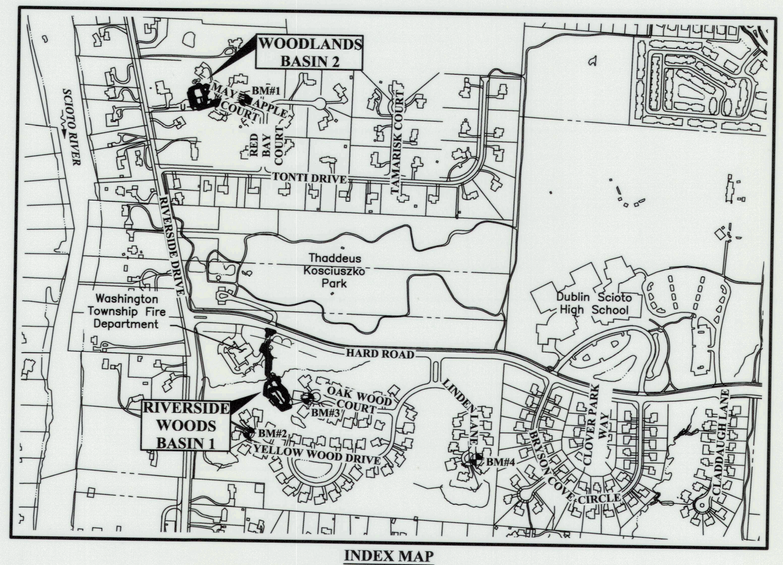

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Approved:

Paul A. Hammersmith — 8·12·2026

Director of Engineering/City Engineer
City of Dublin, Ohio
Paul A. Hammersmith, P.E.

Date

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Engineers • Surveyors • Planners • Scientists
5500 New Albany Road, Columbus, OH 43054
Phone: 614.775.4500 Toll Free: 888.775.3648
emht.com

STATE OF OHIO — ALEXANDER JENSEN — 2025 — E-88649 — REGISTERED — PROFESSIONAL ENGINEER

Registered Engineer: Alex Jensen, PE, CFM
5500 New Albany Road, Columbus, Ohio 43054
Telephone: (614)–775–4500
Email: ajensen@emht.com

8/7/2026
Date

MARK	DATE	DESCRIPTION

REVISIONS

CITY OF DUBLIN

CITY OF DUBLIN, FRANKLIN COUNTY, OHIO
PLANS
FOR
DUBLIN BASIN MAINTENANCE PROGRAM 2026
TITLE SHEET

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DATE: AUGUST 2026

SCALE: AS NOTED

JOB NO.: 2025-0015

SHEET: 01/29

25-024-CIP

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CITY OF DUBLIN STANDARD GENERAL NOTES

GENERAL

The requirements of the City of Dublin General Conditions, Division 100, together with the most current version of the City of Columbus Construction and Material Specifications (CMSC) and the Ohio Department of Transportation Construction and Material Specification (ODOT CMS), including all supplements thereto, shall govern construction items unless otherwise noted. Item Numbers listed refer to City of Columbus Item Numbers unless otherwise noted. In case of any conflict among these technical specifications, the greater requirement, as determined by the City of Dublin, shall take precedence.

The City Engineer will not be responsible for means, methods, procedures, techniques, or sequences of construction that are not specified herein. The City Engineer will not be responsible for safety on the work site, or for failure by the Contractor to perform work according to contract documents.

The Contractor shall notify the City of Dublin Division of Engineering in writing at least 14 days prior to beginning construction.

The Contractor shall be solely responsible for complying with all federal, state, and local safety requirements including the Occupational Safety and Health Act of 1970. The Contractor shall exercise precaution always for the protection of persons (including employees) and property. It shall also be the sole responsibility of the Contractor to initiate, maintain, and supervise all safety requirements, precautions and programs in connection with the work, including the requirements for confined spaces per 29 CFR 1910.146.

Following completion of construction, a proof survey shall be provided by the Contractor to the Division of Engineering that documents "as-built" elevations, dimensions, slopes, and alignments of all public utilities (storm, water) completed as part of this project. The proof survey shall be prepared, signed, and submitted by an Ohio Professional Surveyor. The Contractor shall revise the original mylars in red ink, to the satisfaction of the City, showing all changes in the work. The cost of the Proof Survey, including mylar revisions, will be paid at the Lump Sum price bid for Item Spec., Record Drawing, As Per Plan. See supplemental notes (Sheet 04).

The Contractor shall restrict construction activity to public right-of-way and areas defined as permanent and/or temporary construction easements, unless otherwise authorized by the City Engineer.

The Contractor shall carefully preserve benchmarks, 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. Resetting of markers shall be performed by an Ohio Professional Surveyor as approved by the City Engineer.

Non-rubber tired vehicles shall not be moved on or across public streets or highways without the written permission of the City Engineer.

The Contractor shall restore all disturbed areas to equal or better condition than existed before construction. Drainage ditches or watercourses that are disturbed by construction shall be restored to the grades and cross-sections that existed before construction.

Tracking or spilling mud, dirt, or debris upon streets, residential or commercial drives, sidewalks, or bike paths is prohibited according to Section 97.38 of the Dublin Code of Ordinances. Any such occurrence shall be cleaned up immediately by the Contractor at no cost to the City. If the Contractor fails to remove said mud, dirt, debris, or spillage, the City reserves the right to remove these materials and clean affected areas, the cost of which shall be the responsibility of the Contractor.

All signs, landscaping, structures, or other appurtenances within right-of-way disturbed or damaged during construction shall be replaced or repaired to the satisfaction of the City Engineer. The cost of this work shall be the responsibility of the Contractor.

All field tile broken or encountered during excavation shall be replaced or repaired and connected to the public storm sewer system as directed by the City Engineer. The cost of this work shall be the responsibility of the Contractor.

All precast concrete products shall be inspected at the location of manufacture. Approved precast concrete products will be stamped or have such identification noting the inspection has been conducted by the City of Columbus. Precast concrete products without proof of inspections shall not be approved for installation.

Unless indicated otherwise on the plan details, backfill within a 1:1 influence line of existing structures (houses, garages, etc.) or public infrastructure (pavement, curbs, sidewalks, shared use paths, etc.) shall be compacted granular backfill according to Item 912 of the Standard Specifications or Flowable CDF, Type 2 according to Item 613. Item 911 of the Standard Specifications shall be used elsewhere.

The Contractor shall submit a copy of the approved construction drawings and list of proposed precast concrete product manufacturers to the City of Columbus Construction Inspections Division before commencing construction.

Send the information to the following address:
Construction Inspection Division
City of Columbus
1800 East 17th Avenue
Columbus, Ohio 43219

Send a copy of the transmittal letter to the following address:
Attn.: Paul Hammersmith, PE
Division of Engineering
City of Dublin
6555 Shier Rings Road
Dublin, Ohio 43016

All trenches within public right-of-way shall be backfilled according to the approved construction drawings or securely plated during nonworking hours. Trenches outside these areas shall be backfilled or shall be protected by approved temporary fencing or barricades during nonworking hours. Clean up shall follow closely behind the trenching operation.

The Contractor shall be responsible for the condition of trenches within the right-of-way and public easements for a period of one year from the final acceptance of the work, and shall make any necessary repairs at no cost to the City.

Pavements shall be cut in neat, straight lines the full depth of the existing pavement, or as required by the City Engineer. Pavement replacement shall be conducted according to City of Columbus Standard Drawing 1441 and applicable City of Dublin standard drawings. The replacement of driveways, handicapped ramps, sidewalks, bike paths, parking lot pavement, etc. shall be provided according to the approved construction drawings and City of Dublin standard construction drawings.

Tree trimming within the construction zone is to be completed by a certified Arborist. At the completion of the project, the Arborist is to return and trim any broken branches as needed.

Any modification to the work shown on drawings must have prior written approval by the City Engineer, City of Dublin.

UTILITIES

The following utilities are known to be located within the limits of this project:

For Water, Storm Sewer,
Sanitary Sewer:
City of Dublin
Division of Engineering
6555 Shier Rings Road
Dublin, OH 43016
Office: (614) 410-4740

Columbia Gas of Ohio
Attn: Ross Householder
3350 Johnny Appleseed Ct
Columbus, OH 43231
Office: (614) 818-2104
rhouseholder@nisource.com
ColumbiaGas_ColumbusEng@nisource.com
724-272-0874

AEP
Attn: Bob Matthews
700 Morrison Road
Gahanna, OH 43230
Office: (740) 647-2080
rematthews@aep.com

AltaFiber
Attn: Bradley Kearns
201 E. 4th Street
Cincinnati, OH 45201
Office: (513) 417-5206
bradley.kearns@altafiber.com
roadprojects@altafiber.com

Charter Communications/Spectrum
(Time Warner Communications)
Attn: Jorge Espinal
jorge.espinal@charter.com
dl-moh-construction-frelo-team@charter.com
614-314-5279 – Cell
614-481-5342 – Office

Water:
City of Columbus
Division of Water
910 Dublin Road
Columbus, OH 43215
Office (614) 818-2104

AT&T
Attn: Eric Emory, Chris Eichorn
111 N. 4th Street
Columbus, OH 43215
ee2758@att.com
ce2382@att.com
614-447-9261 – Cell
614-223-3953 – Office

Verizon Business (MCI/XO)
Attn: John Deere, Krista Bistline
7575 Commerce Ct.
Lewis Center, OH 43035
john.deere@verizon.com
krista.bistline@verizon.com
vz.net.columbus@verizon.com

The Contractor shall give notice of intent to construct to Ohio Utilities Protection Service (telephone number 800-362-2764) and to owners of underground utilities that are not members of a registered underground protection service. Notice shall be given at least 3 working days before start of construction.

The identity and locations of existing underground utilities in the construction area have been shown on the approved construction drawings as accurately as provided by the owner of the underground utility. The City of Dublin, City Engineer, and the Design Professional assumes no responsibility for the accuracy or depths of underground facilities shown on the approved construction drawings. If damage is caused, the Contractor shall be responsible for repair of the same and for any resulting contingent damage.

Location, support, protection and restoration of all existing utilities and appurtenances, whether shown or not shown on the approved construction drawings, shall be the responsibility of the Contractor. When unknown or incorrectly located underground utilities are encountered during construction, the Contractor shall immediately notify the owner and the City Engineer.

Public street lighting may be in the vicinity of this project. Contact the City of Dublin, Division of Engineering at (614) 410-4637, two days prior to beginning work.

EROSION AND SEDIMENT CONTROL

The City is responsible for submitting a Notice of Intent (NOI) to be reviewed and approved by the Ohio EPA. The NOI must be submitted to OEPA 21 days prior to the start of construction and may entitle coverage under the Ohio EPA General Permit for Stormwater Discharges associated with construction activity. A project location map must be submitted with the NOI. A sediment and erosion control plan must be submitted to the City Engineer for approval if a sediment and erosion control plan has not already been included with the approved construction drawings. This plan must be made available at the project site at all times. The design of erosion control systems shall follow the requirements of Ohio EPA, Item 207 of City of Columbus Construction and Material Specifications, and the City Engineer. An individual NPDES Stormwater Discharge Permit is required. The Contractor shall be considered a co-permittee.

The Contractor shall provide sediment control at all points where storm water runoff leaves the project, including waterways, overland sheet flow, and storm sewers.

Accepted methods of providing erosion/sediment control include but are not limited to: sediment basins, silt filter fence, aggregate check dams, and temporary ground cover. Hay or straw bales are not permitted.

The Contractor shall provide adequate drainage of the work area at all times consistent with erosion control practices.

Disturbed areas that will remain unworked for 14 days or more shall be seeded or protected within seven calendar days of the disturbance. Other sediment controls that are installed shall be maintained until vegetative growth has been established. The Contractor shall be responsible for the removal of all temporary sediment devices at the conclusion of construction but not before growth of permanent ground cover.

For Additional Sediment and Erosion Control Notes & Details, see Sheets 18 to 23.

USE OF FIRE HYDRANTS

The Contractor shall make proper arrangements with the Dublin Service Department and the Columbus Division of Water for the use of fire hydrants when used for work performed under this contract and provide the City of Dublin a copy of the Hydrant Usage Permit obtained from the City of Columbus. The Contractor shall also send copies of permits obtained from Dublin and Columbus to the Washington Twp Fire Department. Permits shall be kept at the construction site at all times.

Before the final estimate is paid, the Contractor shall submit a letter from the City of Columbus Division of Water to the City Engineer stating that the Contractor has returned the Siamese Valve to the City of Dublin and has paid all costs arising from the use of the fire hydrants.

PROJECT SPECIFIC GENERAL NOTES

ELEVATION DATUM

Elevations are based on North American Vertical Datum of 1988 (NAVD 88).

SITE VISIT

The Contractor shall perform field reconnaissance to become acquainted with the existing site conditions and the potential effects upon the scope of work.

PRE-CONSTRUCTION MEETING

A pre-construction conference involving the City, the Principal Contractor, and all available Sub-Contractors will be held prior to the start of construction.

During the conference the Contractor shall submit their construction schedule, proposed schedule for controlling siltation and erosion, and temporary and permanent seeding for the project.

PERMITS

The Contractor shall secure and pay for all permits, government fees, and licenses necessary for the proper execution and completion of the improvements shown on the plans.

Waterway Permit

The City has obtained a letter from the U.S Army Corps of Engineers indicating that no permit is required for either basin project (LRH-2026-00455-SCR-Unnamed Tributary (UNT) Scioto River and LRH-2026-00445-SCR). All required tree clearing must occur prior to March 31 or after September 30.

Floodplain Permit

The project areas for the Dublin Basin Maintenance Program Year 2026 is shown on Federal Emergency Management Agency (FEMA), Flood Insurance Rate Map (FIRM) for Franklin County, Ohio and Incorporated Areas, Panels No. 39049C0038K (effective date: June 17, 2008) and No. 39049C0151K (effective date: June 17, 2008). Both project areas do not have a FEMA-mapped floodplain and thus are not subject to the Floodplain Development Permit.

NPDES Permit

The City will obtain a Notice of Intent (NOI) for the project, providing coverage under the Ohio EPA's Construction General Permit. Prior to starting work on the project, the Contractor shall become a Co-Permittee on the NOI.

Copies of all permits shall be kept on-site at all times.

NOTIFICATION

The Contractor shall notify all adjacent landowners a minimum of one week in advance of work near their property. The Contractor shall coordinate with City Engineer for a suggested format for the notice.

Two (2) working days prior to construction, contact the Division of Engineering and their designee identified at the preconstruction meeting to schedule inspection. The City shall inspect the following: All underground utilities, detention/retention ponds, grading, pavement in City Right-of-Way, all sidewalks or bike paths in any public Right-of-Way, and any other items noted during review or at the pre-construction meeting. Final acceptance may be affected if procedures are not followed for proper inspection.

The Contractor is responsible to notify the City's designee for inspection and request a final punch-list inspection of the site once all items on the approved plans have been completed.

INSPECTION

The City of Dublin will provide construction inspection for this project. No work shall be commenced until arrangements have been made with the City Engineer for inspection services and a pre-construction meeting has been held.

WORK HOURS

General work hours on this project shall be from 7AM to 7PM unless otherwise approved by the City. Weekend work may be permitted on a case-by-case basis. Contractor shall make requests for weekend work to the City no later than 48 hours prior.

AERIAL UTILITY CROSSINGS

The Contractor shall install and maintain safety signage at all aerial utility crossings during construction.

ABANDONED UTILITIES

The Contractor shall be responsible for the removal and disposal of any abandoned utility facility that may conflict with any facility or construction activity proposed in these plans, including the installation of proposed conduit, underdrain, storm sewer, structure, waterline, sanitary sewer line, subgrade stabilization, foundations, etc. The Contractor is advised to verify that a utility facility has been abandoned before proceeding with removing it. If it is determined that the utility facility is active and in conflict, then the Contractor shall notify the City prior to proceeding with any affected proposed work.

The cost of the operations necessary to remove and dispose of conflicting abandoned utilities shall be included with the price of the affected item for payment. No separate payment shall be made.

WORK LIMITS

The Contractor is responsible for containing all performed work and all equipment, materials, vehicles, etc., used to complete the work within the rights-of-way of the streets, roadways, temporary easements, permanent easements, property boundaries, and limits of disturbance of the project improvements, as shown on these plans.

The Contractor is responsible for cost of restoration for any area outside of the right-of-way, permanent easement, property boundaries, or limits of disturbance to former condition or better and to the satisfaction of the City.

CONSTRUCTION LAYOUT

General field layout control shall be provided by the Contractor. Provisions for all other construction staking required to accomplish the improvements shall be performed in accordance with the Contract Documents. All staking shall be completed by a Professional Surveyor registered with the State of Ohio.

ACCESS

Access to adjoining properties shall be maintained at all times.

CONVENIENCE FACILITIES

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 various items.

SIGNS, MAILBOXES, FENCES, ETC.

The Contractor shall be responsible for restoring all signs, mailboxes, fences, guardrail, shrubs, property, drainage structures, or other physical features disturbed or damaged during construction, whether shown on the plans or not, to their original or better condition and location and to the satisfaction of the City. Cost to be included in the price bid for the various items.

MAINTAIN DRAINAGE

The flow in all sewers, drains, and watercourses encountered shall be maintained by the Contractor at his own expense, and whenever such watercourses and drains are disturbed or destroyed during the prosecution of the work, they shall be restored by the Contractor at his own cost and expense, unless specific provision is made within the Contract Documents for the measure of and payment for such cost specific items, to a condition satisfactory to the City.

All drain tile and storm sewers damaged, disturbed, or removed as a result of the Contractor's operations shall be replaced with the same quality pipe or better, maintaining the same gradient as existing. Replaced drain tile shall be laid on compacted bedding equal in density to surrounding stratum. Replacement shall be done at the time of the backfill operation.

SOIL STOCKPILES

The Contractor shall be responsible for keeping all soil stockpiles, including trench excavation stockpiles, protected from erosion. The areas surrounding the stockpiles are to be protected from sediment with the use of perimeter control devices such as earth or straw bale devices or silt fences. These perimeter control devices shall be maintained for the duration of the project.

CONSTRUCTION DEBRIS

All debris, rubble, unusable materials, and items not salvaged by the City shall become the property of the Contractor and shall be removed from the site by the Contractor and disposed of properly.

DUST CONTROL

The Contractor shall be responsible for providing Dust Control measures in accordance with ODOT CMS Item 616. Dust control operations shall be performed on a periodic basis and/or as directed by the City to alleviate and/or prevent the dust nuisance originating within the project work limits. Calcium Chloride will not be permitted. The cost for all dust control including but not limited to water, and street sweeping shall be included in the price bid for the various related items.

MAINTENANCE OF CONSTRUCTION EQUIPMENT

All construction equipment shall be inspected daily for hydraulic and fuel leaks. Contractor shall use Environmentally Acceptable (EA) hydraulic fluid in all machinery used to work within or along the stream corridor or basin. All fuel operations, lubricating, hydraulic topping off and equipment repairs and maintenance shall be performed at upland locations away from the onsite basin and stream channels. These activities must take place on an approved pad with spill control/collection devices in place. No storage of fuels or lubricants will be allowed on site. All equipment and materials not in use must be securely locked to avoid vandalism and accidental spills. Emergency response liquid containment devices such as absorbent socks and pads shall be readily available on site. Fuel tank purging or draining of water from fuel bowls is prohibited on site.

PROHIBITED CONSTRUCTION ACTIVITIES

The Contractor shall not use construction proceedings, activities, or operations that may unnecessarily impact the natural environment or the public health and safety. Prohibited construction proceedings, activities or operations include, but are not limited to:

a) Disposing of excess or unsuitable excavated material in wetlands or floodplains, even with the permission of the property owner.

b) Indiscriminate, arbitrary, or capricious operation of equipment in any stream corridors, any wetlands, any surface waters, or outside the easement lines.

c) Pumping of sediment-laden water from trenches or other excavations into any surface waters, any stream corridors, any wetlands or storm drains.

d) Discharging pollutants such as chemicals, fuel, lubricants, bituminous materials, raw sewage, and other harmful waste into or alongside of rivers, streams, impoundments, or into natural or man-made channels leading thereto.

e) Permanent or unspecified alteration of the flow line of a stream beyond what is depicted on the plans.

f) Damaging vegetation outside of the construction area.

g) Disposal of trees, brush and other debris in any stream corridors, any wetlands, and surface water, or at unspecified locations.

h) The open burning of site-cleaning debris, trash, etc. is prohibited in the City.

i) Storing construction equipment and vehicles and/or stock piling construction materials on property, public or private, not previously specified by the City for said purpose.

SAW CUTTING

When saw cutting of pavement (concrete, asphalt, etc.) is necessary, the Contractor shall employ dust collection measures and shall ensure all slurry is cleaned from the roadway immediately after sawing. The Contractor is solely responsible for any damage to private property caused by fugitive dust and slurry. Saw cutting of any material containing silica shall conform to OSHA requirements.

GRADE CHECKS

The Contractor shall ensure there is surveyor's equipment on the project site for use in performing grade checks. The Contractor shall make this equipment available for the use of, and assist, the City 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 a time convenient to the Contractor.

A grade check performed by the City in no way relieves the Contractor from the ultimate responsibility to ensure construction to the plan grade.

GRADE CHANGES

If it is determined that the elevation of the existing sewer, or existing appurtenance to be connected to, differs from the plan elevation or results in a change in the plan sewer slope, the City shall be notified before starting construction of any portion of the proposed sewer which will be affected by the variance in the existing elevations.

Grades and elevations shown on the plans shall not be revised under any circumstances without first obtaining written approval from the City.

General Notes continue on Sheet 03...

REVISIONS			
MARK	DATE	DESCRIPTION	

CITY OF DUBLIN

CITY OF DUBLIN, FRANKLIN COUNTY, OHIO
PLANS
FOR
DUBLIN BASIN MAINTENANCE
PROGRAM 2026
GENERAL NOTES

EMH&T
Evans, Mechwart, Hambleton & Tilton, Inc.
Engineers • Surveyors • Planners • Scientists
5500 New Albany Road, Columbus, OH 43054
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DATE
AUGUST 2026

SCALE
NONE

JOB NO.
2025-0015

SHEET
02/29

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...General Notes continued from Sheet 02

ENVIRONMENTAL COMMITMENTS

Call the Ohio EPA Spill Hotline (1–800–282–9378) and the Ohio EPA Section 401/IWP Manager (614–728–3778) in the event of a spill.

Any unpermitted impacts to surface waters and/or their buffers shall be reported to Ohio EPA Section 401/IWP Manager (614–728–3778) within 24 hours.

Authorized Ohio EPA representative shall be allowed to inspect the property at reasonable times.

Chemically treated lumber shall not be used in structures that come into contact with waters of the state.

Limits of wetland and stream buffers/tree protection areas shall be staked prior to any land disturbance activity.

Ensure temporary fill consists of suitable non–erodible material and is stabilized to prevent erosion.

Construction activities will be performed during low flow conditions to the greatest extent practicable.

The Contractor shall not stockpile soil or any other materials/equipment in the vicinity of any identified wetlands.

PROTECTION OF TOPSOIL

Contractor shall avoid unnecessary vehicular travel across placed and existing topsoil within the stream corridor. Compacted topsoil shall be disced prior to seeding or planting. See Topsoil Notes on This Sheet.

PROTECTION OF LANDSCAPING

The Contractor shall constrict all activities, equipment storage and staging to within the construction limits. Unless otherwise identified in the plans, the construction limits are plotted accordingly.

Care shall be exercised when working in the area around existing trees and shrubs. Any trees or shrubs not marked for removal that are damaged by the Contractor will have to be replaced by the Contractor to the satisfaction of the owner.

LANDSCAPE CONTRACTOR QUALIFICATIONS REQUIRED

The Contractor is hereby advised that the landscape improvements to be constructed under this project are critical to the project's success. All landscape work shall be performed by a qualified landscaping contractor with documented prior experience successfully completing installations on similar projects.

LANDSCAPING WARRANTY

The Contractor shall refer to the Planting Notes and Planting Tables (Sheets 24 to 27) for information regarding the landscaping warranty.

MAINTENANCE OF TRAFFIC

All temporary traffic control devices shall be furnished, erected, maintained, and removed by the Contractor in accordance with the most recent edition of the "Ohio Manual of Traffic Control Devices for Construction and Maintenance Operations".

Lane restrictions or closures required during construction must be approved by the City (and County/Township if their roads will be used for detour) a minimum of two (2) weeks prior to any work being performed. Otherwise, traffic lanes shall be fully open to traffic at all times and ingress and egress shall be maintained to public and private property.

SITE RESTORATION

The Contractor shall repair or replace any and all existing work damaged during or due to the execution of this contract to equal or better condition prior to the damage, at the Contractor's own expense. All said work to be repaired or replaced to the satisfaction of the City. Any damage to other utilities caused by the Contractor shall be repaired by the appropriate utility company.

COMPLETE PROJECT

The Contractor shall be required to construct a complete project, meeting the intent of these drawings and specifications. Any items required to complete the work that do not have a specific method of payment described shall be performed by the Contractor. The cost of the work shall be included in the price for the various related items.

SUPPLEMENTAL NOTES

ITEM 201, CLEARING AND GRUBBING, AS PER PLAN

Existing trees to be removed, as indicated on the plan, shall be removed prior to April 1st or after September 30. An approximate estimate of the location of trees to be removed is shown on Sheets 09 and 14.

The cost of all work and expenses connected with the removal of trees, stumps, roots, and/or branch cutting shall be included in price bid for Item 201, Clearing and Grubbing, As Per Plan. No extra payment shall be made therefore.

ITEM 202, REMOVAL MISC.: CONCRETE CHANNEL REMOVED, AS PER PLAN

This work shall consist of removing and disposing of the existing Woodlands Basin 2 concrete channel at locations indicated on the plans. General Construction Requirements for this work shall be per Item 202.02. Cavities created by the removal of the concrete channel shall be backfilled in accordance with Item 202.02. Payment shall be per square yard of concrete channel removed and shall include all equipment, labor, materials, and incidentals necessary to complete this item of work as described above to the satisfaction of the City.

ITEM 202, REMOVAL MISC.: FENCE REMOVED, AS PER PLAN

This work shall consist of removing and disposing of existing fencing at locations indicated on the plans. General Construction Requirements for this work shall be per Item 202.02. Cavities created by the removal of the fence posts shall be backfilled in accordance with Item 202.02. Payment shall be per linear foot of fence removed and shall include all equipment, labor, materials, and incidentals necessary to complete this item of work as described above to the satisfaction of the City.

ITEM 202, REMOVAL MISC.: HEADWALL REMOVED, AS PER PLAN

This work shall consist of removing and disposing of existing headwalls at locations indicated on the plans. General Construction Requirements for this work shall be per Item 202.02. Cavities created by the removal of the headwalls shall be backfilled in accordance with Item 202.02. Payment shall be per each headwall removed and shall include all equipment, labor, materials, and incidentals necessary to complete this item of work as described above to the satisfaction of the City.

ITEM 202, REMOVAL MISC.: OUTLET STRUCTURE REMOVED, AS PER PLAN

This work shall consist of removing and disposing the existing outlet structure at the location indicated on the plans. General Construction Requirements for this work shall be per Item 202.02. Cavities created by the removal of the outlet structures shall be backfilled in accordance with Item 202.02. Payment shall be per each outlet structure removed and shall include all equipment, labor, materials, and incidentals necessary to complete this item of work as described above to the satisfaction of the City.

ITEM 202, REMOVAL MISC.: UNDERDRAIN DEBRIS MATERIAL REMOVED, AS PER PLAN

This work shall consist of removing and disposing the existing underdrain debris at the location indicated on the plans. General Construction Requirements for this work shall be per Item 202.02. Payment shall be lump sum and shall include all equipment, labor, materials, and incidentals necessary to complete this item of work as described above to the satisfaction of the City.

ITEM 203, EMBANKMENT (PLACING STOCKPILED MATERIAL), AS PER PLAN

The specifications of Item 203 shall apply for this work along with the following notes. Fill material used on this project, whether reused from onsite excavation work or imported, shall be limited to cohesive natural soils per ODOT CMS 703.16.A. Compact fill according to Item 203. All required testing to be provided by the Contractor.

The cost of all labor, equipment, and materials associated with this work shall be included in the price bid for Item 203, Embankment (Placing Stockpiled Material), As Per Plan.

ITEM 203, EXCAVATION (STOCKPILED), AS PER PLAN

This item consists of excavating material from the proposed grading area and stockpiling on–site for reuse as embankment material within the project area.

The specifications within Item 203 shall apply for this work along with the following notes. The Contractor shall coordinate with the City if the material is suitable for reuse and to confirm the temporary onsite stockpile location shown in the plans. The cost of all labor, equipment, and materials associated with this work shall be included in the price bid for Item 203, Excavation (Stockpiled), As Per Plan.

ITEM 203, EXCAVATION (TO HAUL OFFSITE), AS PER PLAN

This item consists of excavating material from the proposed grading area to be disposed off–site. The Contractor shall provide a copy of the signed, written agreement between the Contractor and the offsite landowner before such disposal occurs. The agreement shall clearly state the purpose of the agreement and indicate the landowner's permission for such use.

The cost of all labor, equipment, and materials associated with this work shall be included in the price bid for Item 203, Excavation (To Haul Offsite), As Per Plan.

ITEM 207, EROSION AND SEDIMENT CONTROL, AS PER PLAN

Refer to Plan Sheets 18 through 23 for the erosion and sediment control plan, notes, and details. The cost of all labor, equipment, and materials associated with the installation and removal of the stabilized construction entrance, concrete washout, rock check dams, temporary construction fencing/tree protection fencing, inlet protection, and compost filter sock shall be included in the price bid for Item 207, Erosion and Sediment Control, As Per Plan as well as all labor and activity associated with SWPPP inspections and compliance.

ITEM 253, SPOT FULL DEPTH ASPHALT PAVEMENT REPAIR, ROADWAY, AS PER PLAN

This item shall consist of the removal of the existing pavement areas shown on the plans to subgrade, as directed by the City, by full–depth sawing and excavation. Reference City of Dublin Standard Drawing RDW–01 for replacement details for depth/thickness of the pavement. The width of these repairs will be the full width of the roadway. All surrounding yard areas that are disturbed as a result of this construction shall be restored per the Item 659, Seeding and Mulching, Class Special, As Per Plan Note on This Sheet. The cost of said restoration shall be included in the price bid for Item 253, Spot Full Depth Asphalt Pavement Repair, Roadway, As Per Plan.

ITEM 253, SPOT FULL DEPTH DRIVE APPROACH PAVEMENT REPAIR, AS PER PLAN

This item shall consist of the removal of the existing pavement areas shown on the plans to subgrade, as directed by the City, by full–depth sawing and excavation. Reference City of Dublin Standard Drawing RDW–15 for replacement details for depth/thickness of the replacement pavement. The width of these repairs will be the full width of the drive approach. All surrounding yard areas that are disturbed as a result of this construction shall be restored per the Item 659, Seeding and Mulching, Class Special, As Per Plan Note on This Sheet. The cost of said restoration shall be included in the price bid for Item 253, Spot Full Depth Drive Approach Pavement Repair, As Per Plan.

ITEM 601, ROCK CHANNEL PROTECTION, TYPE B, WITH FILTER, AS PER PLAN

The specifications within Item 601 shall apply for this work along with the following notes. No reinforcing steel is permitted. Rock Channel Protection shall conform to ODOT CMS Section 601.09. In addition, the voids between stones shall be filled with #1 and #2 stone. Plan quantities assume a 30% void ratio in rock channel protection to be infilled with #1 and #2 stone. Recycled concrete is not permitted for use as riprap (rock channel protection) on this project. Rock Channel Protection, Type B, with Filter shall be installed at the location shown on the plans. The cost of all labor, equipment, and materials associated with this work shall be in included in the price bid for Item 601, Rock Channel Protection, Type B, With Filter, As Per Plan (Bank Stabilization).

ITEM 601, ROCK CHANNEL PROTECTION, TYPE B, WITH AGGREGATE FILTER, AS PER PLAN

The specifications within Item 601 shall apply for this work along with the following notes. No reinforcing steel is permitted. Rock Channel Protection shall conform to ODOT CMS Section 601.09. In addition, the voids between stones shall be filled with #1 and #2 stone. Plan quantities assume a 30% void ratio in rock channel protection to be infilled with #1 and #2 stone. Recycled concrete is not permitted for use as riprap (rock channel protection) on this project. Rock Channel Protection, Type B, with Aggregate Filter shall be installed at the location shown on the plans. The cost of all labor, equipment, and materials associated with this work shall be in included in the price bid for Item 601, Rock Channel Protection, Type B, With Aggregate Filter, As Per Plan.

ITEM 601, ROCK CHANNEL PROTECTION, TYPE C, WITH AGGREGATE FILTER, AS PER PLAN

The specifications within Item 601 shall apply for this work along with the following notes. No reinforcing steel is permitted. Rock Channel Protection shall conform to ODOT CMS Section 601.09. In addition, the voids between stones shall be filled with #1 and #2 stone. Plan quantities assume a 30% void ratio in rock channel protection to be infilled with #1 and #2 stone. Recycled concrete is not permitted for use as riprap (rock channel protection) on this project. Rock Channel Protection, Type C, with Aggregate Filter shall be installed at the location shown on the plans. The cost of all labor, equipment, and materials associated with this work shall be in included in the price bid for Item 601, Rock Channel Protection, Type C, With Aggregate Filter, As Per Plan.

ITEM 605, 6" PERFORATED UNDERDRAIN, AS PER PLAN

The Contractor shall provide all labor, equipment, and material necessary to install the specified pipe with yard drains, as indicated in the details on the plan. Material furnished shall be per Detail on Sheet 05. The cost of all labor, equipment, and materials associated with this work shall be in included in the price bid for Item 605, 6" Perforated Underdrain, As Per Plan.

ITEM 609, REMOVE AND REPLACE CONCRETE CURB AND GUTTER, AS PER PLAN

This item involves the removal and disposal of the existing combination curb and gutter situated along the indicated roadways (locations shown on Sheets 08 and 09), and replacement of same with City of Dublin Standard Drawing RDW–03 Combination Concrete Curb and Gutter, all as directed by the City. All disturbed pavement shall be repaired according to City of Dublin Standard Drawing RDW–01 within 10 working days of curb placement.

The Contractor shall take all necessary precautions to prevent damage to asphalt street pavement adjacent to curb being removed on streets where no asphalt overlay is planned. Precautions shall include, but not be limited to wet–sawing existing curb with a vermeer saw and sawing asphalt full depth per attached curb and gutter drawing. Additionally, the Contractor must clean and remove any slurry that is deposited during wet–sawing.

The Contractor shall exercise special care to maintain gutter grades and to make certain that existing asphalt concrete surfaces are not damaged during curb removal operations. Disturbed grass areas, including depressions, shall be restored by placing topsoil, approved seed, fertilizer and mulch material, see Item 659, Seeding and Mulching, Class Special, As Per Plan Note on This Sheet. All labor, materials, equipment, lights, signs, barricades, landscape restoration, and other incidentals necessary to perform the work as outlined, including asphalt concrete repair on streets where no overlay is planned, shall be included in the price bid for Item 609, Remove and Replace Concrete Curb and Gutter. No additional compensation will be allowed over and above the Contract price.

Care shall be taken in the removal of the existing curb so as not to damage or displace existing drain tile, and any existing drain tile damaged by the Contractor's operation, shall be restored to its existing condition or replaced with a new tile at the Contractor's expense.

All spot curb and gutter removed shall be replaced within three working days after its removal, and whenever the Contractor exceeds this time stipulation he shall suspend curb removal until he is again in conformance with this provision. The section of curb to be replaced may not begin or end at curb joints. The Contractor shall saw cut the existing curb and gutter full depth at these points prior to curb removal. The Contractor will also utilize full–height forms when forming curbs. The price for performing the saw cuts shall be included with this item.

ITEM 609, REMOVE AND REPLACE STRAIGHT CONCRETE CURB, AS PER PLAN

This item involves the removal and disposal of the existing straight concrete curb situated along the indicated roadways (locations shown on Sheets 13 and 14), and replacement of same with City of Dublin Standard Drawing RDW–05 Straight 18" Concrete Curb, all as directed by the City. All disturbed pavement shall be repaired according to City of Dublin Standard Drawing RDW–01 or RDW–02, as applicable, within 10 working days of curb placement.

The Contractor shall take all necessary precautions to prevent damage to asphalt street pavement adjacent to curb being removed on streets where no asphalt overlay is planned. Precautions shall include, but not be limited to wet–sawing existing curb with a vermeer saw and sawing asphalt full depth per attached curb and gutter drawing. Additionally, the Contractor must clean and remove any slurry that is deposited during wet–sawing.

The Contractor shall exercise special care to maintain gutter grades and to make certain that existing asphalt concrete surfaces are not damaged during curb removal operations. Disturbed grass areas, including depressions, shall be restored by placing topsoil, approved seed, fertilizer and mulch material, see Item 659, Seeding and Mulching, Class Special, As Per Plan Note on This Sheet. All labor, materials, equipment, lights, signs, barricades, landscape restoration, and other incidentals necessary to perform the work as outlined, including asphalt concrete repair on streets where no overlay is planned, shall be included in the price bid for Item 609, Remove and Replace Straight Concrete Curb. No additional compensation will be allowed over and above the Contract price.

Care shall be taken in the removal of the existing curb so as not to damage or displace existing drain tile, and any existing drain tile damaged by the Contractor's operation, shall be restored to its existing condition or replaced with a new tile at the Contractor's expense.

All spot curb removed shall be replaced within three working days after its removal, and whenever the Contractor exceeds this time stipulation he shall suspend curb removal until he is again in conformance with this provision. The section of curb to be replaced may not begin or end at curb joints. The Contractor shall saw cut the existing curb full depth at these points prior to curb removal. The Contractor will also utilize full–height forms when forming curbs. The price for performing the saw cuts shall be included with this item.

ITEM 611, CATCH BASIN NO. 2-6, WITH TRASH RACK AND TRASH SCREEN, AS PER PLAN

This line item covers the outlet structures (storm structure, trash screen, weir plate, and trash rack) associated with each basin maintenance project as detailed on Sheet 05 and 06. The catch basin shall conform to the notes contained herein and the requirements of ODOT CMS Item 611.

Perform the work according to ODOT CMS Item 611. The cost of all labor, equipment, and materials associated with this work shall be included in the price bid for Item 611, Catch Basin No. 2–6, with Trash Rack and Trash Screen, As Per Plan.

ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR, AS PER PLAN

See Maintenance of Traffic Plan, Sheets 28 and 29.

The cost of all labor, equipment, and materials associated with this work shall be included in the price bid for Item 614, Law Enforcement Officer with Patrol Car, As Per Plan.

ITEM 614, MAINTAINING TRAFFIC, AS PER PLAN

See Maintenance of Traffic Plan, Sheets 28 and 29.

The cost of all labor, equipment, and materials associated with this work shall be included in the price bid for Item 614, Maintaining Traffic, As Per Plan.

ITEM 653, TOPSOIL FURNISHED AND PLACED, AS PER PLAN

The Contractor shall spread topsoil across the work areas specified on this plan to the following depths:

–All Locations: 4–inches Minimum

All topsoil shall be of the highest quality and free of all stones, trash, and other deleterious materials greater than 1/4".

Submittals:

1. Prior to placing topsoil material, Contractor shall submit topsoil test results in conformance with the requirements of ODOT CMS 659.02 and provide the test results to the City. The City shall determine if soil amendments (compost, lime, fertilizer, etc.) are required. If soil amendments are required, the labor, materials, and equipment associated with providing the soil amendments will be paid for under a change order.
2. Prior to placing topsoil, the Contractor shall have approval of subgrade elevations according to Item Spec, Grade Checking, As Per Plan.
3. Prior to seeding, the Contractor shall have approval of final grade elevations according to Item Spec, Grade Checking, As Per Plan.

Construction Methods:

1. The Contractor shall prepare the site prior to installation of seed and plant materials, including discing the subgrade 12" prior to placing topsoil.
2. The Contractor shall spread topsoil (with approved amendments) on the project site to the minimum depths indicated on the plans.
3. All topsoil shall be saturated with water and allowed to settle prior to seeding. Settled areas shall be refilled and saturated again prior to seeding.
4. The site shall be fine graded to the elevations shown on the plans, within tolerances specified in Item Spec., Grade Checking, As Per Plan.
5. Topsoil shall be loosened prior to seeding using disks, rakes, or other methods.
6. All seeding, fertilizer, mulch and erosion control matting shall be placed within five (5) working days of placing topsoil.

Perform the work according to ODOT CMS Item 653. The cost of all labor, equipment, and materials associated with this work shall be included in the price bid for Item 653, Topsoil Furnished and Placed, As Per Plan.

ITEM 659, SEEDING AND MULCHING, CLASS SPECIAL, AS PER PLAN

Repair seeding and mulching shall conform to the notes contained herein and the requirements of ODOT CMS Section 659. In addition to these requirements, the seeding and mulching shall conform to the following:

Mulching: mulch used for this project shall consist of black, triple shredded hardwood for landscaping features only. Straw mulch shall be used for all other seeded areas not to be matted. The mulch shall be inspected by the City Landscaper prior to installation.

Permanent seeding: disturbed areas that are at final grade must be permanently stabilized within seven days of the most recent disturbance. Disturbed areas within 50 feet of a surface water must be permanently stabilized within 2 days of reaching final grade.

Temporary seeding: disturbed areas that are not at final grade and that will be dormant for more than 14 days shall be temporarily stabilized within 7 days of the most recent disturbance. Disturbed areas within 50 feet of a surface water and that will be dormant for more than 14 days shall be temporarily stabilized within 2 days of the most recent disturbance.

The following permanent seed mix shall be used to repair any additional disturbed earth not covered on Sheets 24 and 25 and referred to within this plan as Item 659, Seeding and Mulching, Class Special, As Per Plan.

REQUIRED PERMANENT SEED MIXES FOR CONSTRUCTION

Improved Kentucky Bluegrass: 50% of weight (2 varieties in equal parts)

Improved Perennial Rye: 50% of weight (2–3 varieties in equal parts)

Germination Rate: 85%

Fertilizer

12–12–12 at 20 pounds per 1,000 square feet (dry or liquid)

Temporary seeding shall be applied per the specifications provided within the OEPA "Rainwater and Land Development" manual.

ITEM 659, SEEDING AND MULCHING, BASIN FLOOR MIX, AS PER PLAN

Seeding shall conform to the notes contained herein and the requirements of ODOT CMS Section 659. Cover for the seeding will use mulch and/or matting, as shown in the Planting Plan and Typical Section Details. In addition to these requirements, the seeding shall conform to the following:

Permanent seeding: disturbed areas that are at final grade must be permanently stabilized within seven days of the most recent disturbance. Disturbed areas within 50 feet of a surface water must be permanently stabilized within 2 days of reaching final grade.

Temporary seeding: disturbed areas that are not at final grade and that will be dormant for more than 14 days shall be temporarily stabilized within 7 days of the most recent disturbance. Disturbed areas within 50 feet of a surface water and that will be dormant for more than 14 days shall be temporarily stabilized within 2 days of the most recent disturbance.

Perform the work according to ODOT CMS Item 659. The cost of all labor, equipment, and materials associated with this work shall be included in the price bid for Item 659, Seeding And Mulching, Basin Floor Mix, As Per Plan.

ITEM 659, SEEDING AND MULCHING, BASIN SIDE SLOPES MIX, AS PER PLAN

Seeding shall conform to the notes contained herein and the requirements of ODOT CMS Section 659. Cover for the seeding will use mulch and/or matting, as shown in the Planting Plan and Typical Section Details. In addition to these requirements, the seeding shall conform to the following:

Permanent seeding: disturbed areas that are at final grade must be permanently stabilized within seven days of the most recent disturbance. Disturbed areas within 50 feet of a surface water must be permanently stabilized within 2 days of reaching final grade.

Temporary seeding: disturbed areas that are not at final grade and that will be dormant for more than 14 days shall be temporarily stabilized within 7 days of the most recent disturbance. Disturbed areas within 50 feet of a surface water and that will be dormant for more than 14 days shall be temporarily stabilized within 2 days of the most recent disturbance.

Perform the work according to ODOT CMS Item 659. The cost of all labor, equipment, and materials associated with this work shall be included in the price bid for Item 659, Seeding And Mulching, Basin Side Slopes Mix, As Per Plan.

ITEM 661, DECIDUOUS TREE, NO. 15 CONT., AS PER PLAN

The specifications of Item 661 shall apply for this work along with the notes provided on this plan. See Landscape Plan and Planting Notes, Sheets 24 to 27. The cost of all labor, equipment, and materials associated with this work shall be included in the price bid for Item 661, Deciduous Tree, No. 15 Cont., As Per Plan.

Supplemental Notes continue on Sheet 04...

MARK	DATE	DESCRIPTION
REVISIONS		

CITY OF DUBLIN

CITY OF DUBLIN, FRANKLIN COUNTY, OHIO
PLANS
FOR
DUBLIN BASIN MAINTENANCE
PROGRAM 2026
GENERAL & SUPPLEMENTAL NOTES

EMH&T
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emht.com

DATE: AUGUST 2026

SCALE: NONE

JOB NO.: 2025-0015

SHEET: 03/29

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...Supplemental Notes continued from Sheet 03

ITEM 670, SLOPE EROSION PROTECTION MAT, AS PER PLAN

This work includes all labor, equipment, and material required to install a slope erosion protection mat at the location and elevation indicated on the plans. The slope erosion protection mat shall be North American Green C125BN or approved equal. Mat shall be installed with anchor trenches, overlaps, and anchor staples following the manufacturers recommendations. Anchor staples shall be installed at no less than density shown on the plans. A detail of the installation is provided on Sheets 20 and 21. The cost of all labor, equipment, and materials required for this work shall be included in the price bid for Item 670, Slope Erosion Protection Mat, As Per Plan.

ITEM 670, TURF REINFORCEMENT MAT, AS PER PLAN

This work includes all labor, equipment, and material required to install a composite turf reinforcement mat at the location and elevation indicated on the plans. The composite turf reinforcement mat shall be North American Green C350 or approved equal. Mat shall be installed with anchor trenches, overlaps, and anchor staples following the manufacturers recommendations. Anchor staples shall be installed at no less than density shown on the plans. A detail of the installation is provided on Sheets 20 and 21. The cost of all labor, equipment, and materials required for this work shall be included in the price bid for Item 670, Turf Reinforcement Mat, As Per Plan.

ITEM 901, 18" STORM PIPE, WITH TYPE II BEDDING, AS PER PLAN

Storm pipe shall conform to the notes contained herein and the requirements of City of Columbus CMS Item 901. This pay item covers storm pipe designated to receive additional concrete bedding/backfill in addition to what is required under City of Columbus SCD AA-S153 "Section with Backing" as shown on Sheet 17. Payment for the anti-seep collar will fall under a separate line item.

Perform the work according to City of Columbus CMS Item 901. The cost of all labor, equipment, and materials associated with this work shall be included in the price bid for Item 901, 18" Storm Pipe, With Type II Bedding, As Per Plan.

ITEM 901, 48" STORM PIPE, WITH TYPE II BEDDING, AS PER PLAN

Storm pipe shall conform to the notes contained herein and the requirements of City of Columbus CMS Item 901. This pay item covers storm pipe designated to receive additional concrete bedding/backfill in addition to what is required under City of Columbus SCD AA-S153 "Section with Backing" as shown on Sheet 17. Payment for the anti-seep collar will fall under a separate line item.

Perform the work according to City of Columbus CMS Item 901. The cost of all labor, equipment, and materials associated with this work shall be included in the price bid for Item 901, 48" Storm Pipe, With Type II Bedding, As Per Plan.

ITEM SPEC., CLEAN OUT, AS PER PLAN

This work includes all labor, equipment, and materials necessary for the Contractor to install a clean out per AA-S161 as shown on these plans. The Contractor shall follow the install for pavement restoration. The cost of all labor, equipment, expenses, and materials associated with the installation of the yard drain shall be included in the price bid for Item Spec., Clean Out, As Per Plan.

ITEM SPEC., DEWATERING, AS PER PLAN

Contractor shall perform dewatering operations as indicated on the plans and as necessary to perform the work. Contractor shall be responsible for design of the dewatering program, which may include, but not be limited to, local nuisance water removal, trench groundwater removal, and localized groundwater lowering, all as necessary to accomplish the project goals. Contractor shall provide a dewatering plan for the City's approval, install and maintain dewatering operations, collect and remove accumulated sediment from the work area, and remove dewatering works upon completion of the construction activities that require dewatering. Ponding in the basin may be lowered to facilitate construction by pumping to the basin outlet storm sewer. Dewatering activities shall be performed in strict accordance with local noise ordinances. The Contractor shall furnish, install, and maintain throughout the course of the work mufflers, noise-control enclosures, or other noise control methods, measures, and features on and around all dewatering pumps such that steady noise emanating from this equipment does not disturb adjacent property operations. The cost of all labor, equipment, and materials associated with this work shall be included in the price bid for Item Spec., Dewatering, As Per Plan.

ITEM SPEC., GRADE CHECKING, AS PER PLAN

Grade checking shall be performed at incremental stages of the project. Surveying shall be performed under supervision of an Ohio licensed Professional Surveyor. Survey data will be evaluated by the City for conformance within the specified tolerance. The Contractor must submit updated survey data to document that all required adjustments have resolved the noted deficiencies.

Submittal Requirements:

Submit survey spot shots to the City in a CAD-compatible format (i.e. point files as .csv or .txt) for the following items until grade is approved to be within plan tolerance.

Subgrade [Final Grade – Topsoil Depth]:

Submit spot shots of the subgrade within the proposed grading area on a 15-foot grid minimum and include all grade breaks. Topsoil shall not be placed until approval of subgrade elevations is obtained.

Final Grade

Submit spot shots of the final grade within the proposed grading area on a 15-foot grid, as directed by the City. Topsoil shall not be seeded until approval of final grade elevations is obtained.

Project Tolerance:

Subgrade [Final Grade – Topsoil Depth]:	+0.00 ft / – 0.25 ft
Final Grade:	+/– 0.15 ft
Storm Sewer:	+/– 0.10 ft

ITEM SPEC., DIGITAL VIDEO RECORDING

A minimum of one week prior to commencing Work, the Contractor shall have digital video taken of all areas where construction is to take place. The video shall be provided to the City prior to commencing Work and shall be taken along the line of construction and site access and staging areas at sufficient detail as necessary to clearly depict details of existing conditions. The video shall serve as a record of the existing conditions and will be used as a reference by the City to determine sufficiency of restoration of areas disturbed by construction access and staging, including pedestrian trails, roadways, curbs, sidewalks, lawns and open space. The Contractor shall also have digital video taken of any unusual conditions encountered during construction that are not already a matter of video or photographic record. In any areas where existing conditions cannot be determined by means of the video provided by the Contractor, the area shall be restored as directed by the City at no additional cost to the City.

All digital video shall be in color and submitted to the City on flash drive. All videos shall be indexed and catalogued in such a manner that each recorded area is readily identifiable, and shall also indicate the date and time (hour, minutes, and seconds) on which the recording was made. All flash drives shall become the property of the Owner.

All work required to produce the deliver the video to the City shall paid for under Item, Spec., Digital Video Recording.

ITEM SPEC., HEADWALL WITH ENERGY DISSIPATOR, AS PER PLAN

This work includes all labor, equipment, and materials necessary for the Contractor to install a headwall with energy dissipator as shown on these plans. The headwall structure shall meet the specifications of Oldcastle Precast Pipe Culvert Headwall with Dissipators KDOT Model #: PC HW D-KY, or approved equal. The headwall structure shall be installed on a 12" layer of compacted #57 crushed stone. The cost of all labor, equipment, expenses, and materials associated with the installation of the headwall with energy dissipator shall be included in the price bid for Item Spec., Headwall with Energy Dissipator, As Per Plan.

ITEM SPEC., RECORD DRAWING, AS PER PLAN

After all items within the Item Spec, Grade Checking, As Per Plan specification are approved, the Contractor shall submit a record drawing of the project to the City complying with the following:

1. Final spot elevations overlaid on 22"x34" plan sheets in both CAD and PDF format for the project area, as specified under Item Spec., Grade Checking, As Per Plan.
2. Record drawing shall include a statement indicating elevations are within plan tolerance and represents a record survey of the completed 2026 Basin Maintenance Program project.
3. Record drawing shall be signed and sealed by a Professional Surveyor registered in the State of Ohio.

The cost of all labor, equipment, and materials associated with this work shall be included in the price bid for Item Spec., Record Drawing, As Per Plan.

ITEM SPEC., ROOT PRUNING, AS PER PLAN

This work includes all labor, equipment, and material required to perform root pruning at the location indicated on Sheet 10 and 15. Root pruning shall be performed prior to any earthwork in the vicinity. The roots shall be cleanly cut using mechanical root pruner, vibratory knife, or similar equipment that will result in clean cuts. If the root pruning trench is cut using excavation equipment without the aforementioned methods, all roots one inch or greater must be cut by hand using pruners. The trench should be immediately backfilled with excavated soil or other organic soil. The root trench shall be a minimum depth of 24 inches. The cost of all labor, equipment, and materials required for this work shall be included in the price bid for Item Spec., Root Pruning, As Per Plan.

ITEM SPEC., STONE VENEER, AS PER PLAN

This work includes all labor, equipment, and materials necessary for the Contractor to install a stone veneer on exposed concrete associated with the headwall and outlet structures as shown on these plans and per Dublin Standard Construction Drawings STM-03. The cost of all labor, equipment, expenses, and materials associated with the installation of the stone veneer shall be included in the price bid for Item Spec., Stone Veneer, As Per Plan.

ITEM SPEC., WALL CAP, AS PER PLAN

This work includes all labor, equipment, and materials necessary for the Contractor to install a wall cap on exposed concrete associated with the headwall as shown on these plans and per Dublin Standard Construction Drawings STM-04. The cost of all labor, equipment, expenses, and materials associated with the installation of the wall cap shall be included in the price bid for Item Spec., Wall Cap, As Per Plan.

LEGEND

EXISTING

- Ex Major Contour
- Ex Minor Contour
- Ex Parcel Boundary
- Ex Right of Way (R/W)
- Ex Road
- Ex Building
- Ex Pavement
- Ex Hydrography
- Ex Ditch Centerline
- Ex Stream Corridor Protection Zone
- Ex Dublin Link Electric Line (DUBLINK)
- Ex Underground Electric Line (E)
- Ex Communication Fiber Line (FO)
- Ex Communication Line (C)
- Ex Natural Gas Pipe (GM)
- Ex Sanitary Pipe (SAN)
- Ex Storm Pipe (STM)
- Ex Water Main (W)
- Ex Tree Line
- Ex 100-Year Elevation
- Ex Rock Channel Protection
- Ex Water Meter
- Ex Water Valve
- Ex Hydrant
- Ex Sprinkler
- Ex Storm Manhole
- Ex Storm Drain
- Ex Storm Basin
- Ex Miscellaneous Box
- Ex Birdhouse
- Ex Evergreen Tree
- Ex Deciduous Tree
- Ex Electric Box
- Ex Sanitary Manhole
- Ex Natural Gas Valve
- Ex Communications Box
- Ex Fiber Optic Box
- Ex Sign
- Ex Septic Lid

TEMPORARY

- Limit of Disturbance
- Temp Construction Fence/Tree Protection Fence
- Compost Filter Sock (CS)
- Temp Staging Area
- Temp Timber/Structural Matting
- Temp Tree Protection Fence
- Temp Rock Check Dam
- Temp Inlet Protection

PROPOSED

- Prop Major Contour
- Prop Minor Contour
- Prop Storm Pipe (STM)
- Prop Underdrain (UD)
- Prop 100-Year Elevation
- Drainage Flow Arrow
- Prop Catch Basin
- Prop Headwall
- Prop Manhole
- Prop Clean Out
- Prop RCP
- Prop Drive
- Prop Drive Apron
- Prop Underdrain

Woodlands Basin 2			
Item No.	**Description**	**Quantity**	**Units**
201	Clearing and Grubbing, As Per Plan	1	LS
202	Pipe Removed, 24" Diameter and Under	31	LF
202	Pipe Removed, Over 24"	30	LF
202	Removal Misc.: Concrete Channel Removed, As Per Plan	21	SY
202	Removal Misc.: Outlet Structure Removed, As Per Plan	1	EA
202	Removal Misc.: Headwall Removed, As Per Plan	3	EA
202	Manhole Removed	1	EA
203	Embankment (Placing Stockpiled Material), As Per Plan	40	CY
203	Excavation (Stockpiled), As Per Plan	40	CY
203	Excavation (To Haul Offsite), As Per Plan	240	CY
207	Erosion and Sediment Control, As Per Plan	1	LS
601	Rock Channel Protection, Type B, with Aggregate Filter, As Per Plan	7	CY
601	Rock Channel Protection, Type B, with Filter	8	CY
602	Concrete Masonry Includes Reinforcing (for Headwall)	2.5	CY
602	Concrete Masonry (for Anti-Seep Collar)	2.8	CY
604	Manhole AA-S102	1	EA
605	6" Perforated Underdrain, As Per Plan	90	LF
609	Remove and Replace Concrete Curb and Gutter, As Per Plan	121	LF
611	Catch Basin No. 2-6, with Trash Rack and Trash Screen, As Per Plan	2	EA
614	Maintaining Traffic, As Per Plan	1	LS
623	Construction Layout Stakes	1	LS
624	Mobilization	1	LS
653	Topsoil Furnished and Placed, As Per Plan	130	CY
659	Seeding and Mulching, Class Special, As Per Plan	440	SY
659	Seeding and Mulching, Basin Floor Mix, As Per Plan	410	SY
659	Seeding and Mulching, Basin Side Slopes Mix, As Per Plan	1210	SY
659	Repair Seeding and Mulching, Class Special	80	SY
659	Repair Seeding and Mulching, Basin Floor Mix	80	SY
659	Repair Seeding and Mulching, Basin Side Slopes Mix	220	SY
661	Deciduous Tree, No. 15 Cont., As Per Plan	3	EA
670	Slope Erosion Protection Mat, As Per Plan	1331	SY
670	Turf Reinforcement Mat, As Per Plan	192	SY
703	#57 Stone (for Underdrain)	20	CY
703	River Cobble (for Underdrain)	10	CY
901	24" Storm Pipe, with Type I Bedding	14	FT
901	30" Storm Pipe, with Type I Bedding	5	FT
901	48" Storm Pipe, with Type II Bedding, As Per Plan	16	FT
SPEC	Clean Out, As Per Plan	3	EA
SPEC	Dewatering, As Per Plan	1	LS
SPEC	Digital Video Recording	1	LS
SPEC	Grade Checking, As Per Plan	1	LS
SPEC	Headwall with Energy Dissipator, As Per Plan	1	EA
SPEC	Record Drawing, As Per Plan	1	LS
SPEC	Root Pruning, As Per Plan	1	LS
SPEC	Stone Veneer (Dublin SCD STM-03)	30	SY
SPEC	Wall Cap (Dublin SCD STM-04)	31	LF

Riverside Woods Basin 1			
Item No.	**Description**	**Quantity**	**Units**
201	Clearing and Grubbing, As Per Plan	1	LS
202	Pipe Removed, 24" Diameter and Under	49	LF
202	Removal Misc.: Outlet Structure Removed, As Per Plan	1	EA
202	Removal Misc.: Headwall Removed, As Per Plan	2	EA
202	Removal Misc.: Fence Removed	17	LF
202	Removal Misc.: Underdrain Debris Material Removed, As Per Plan	1	LS
203	Embankment (Placing Stockpiled Material), As Per Plan	10	CY
203	Excavation (Stockpiled), As Per Plan	10	CY
203	Excavation (To Haul Offsite), As Per Plan	370	CY
207	Erosion and Sediment Control, As Per Plan	1	LS
253	Spot Full Depth Asphalt Pavement Repair, Roadway, As Per Plan	320	SY
253	Spot Full Depth Drive Approach Pavement Repair, As Per Plan	70	SY
601	Rock Channel Protection, Type B, with Aggregate Filter, As Per Plan	10	CY
601	Rock Channel Protection, Type C, with Aggregate Filter, As Per Plan	10	CY
602	Concrete Masonry Includes Reinforcing (for Headwall)	3.8	CY
602	Concrete Masonry (for Anti-Seep Collar)	1.7	CY
605	6" Perforated Underdrain, As Per Plan	160	LF
609	Remove and Replace Straight Concrete Curb, As Per Plan	27	LF
611	Catch Basin No. 2-6, with Trash Rack and Trash Screen, As Per Plan	1	EA
614	Maintaining Traffic, As Per Plan	1	LS
614	Law Enforcement Officer with Patrol Car, As Per Plan	16	HR
623	Construction Layout Stakes	1	LS
624	Mobilization	1	LS
653	Topsoil Furnished and Placed, As Per Plan	151	CY
659	Seeding and Mulching, Class Special, As Per Plan	560	SY
659	Seeding and Mulching, Basin Floor Mix, As Per Plan	740	SY
659	Seeding and Mulching, Basin Side Slopes Mix, As Per Plan	1310	SY
659	Repair Seeding and Mulching, Class Special	120	SY
659	Repair Seeding and Mulching, Basin Floor Mix	150	SY
659	Repair Seeding and Mulching, Basin Side Slopes Mix	270	SY
661	Deciduous Tree, No. 15 Cont., As Per Plan	3	EA
670	Slope Erosion Protection Mat, As Per Plan	2391	SY
670	Turf Reinforcement Mat, As Per Plan	91	SY
703	#57 Stone (for Underdrain)	30	CY
703	River Cobble (for Underdrain)	12	CY
901	12" Storm Pipe, with Type I Bedding	8	FT
901	18" Storm Pipe, with Type II Bedding, As Per Plan	33	FT
SPEC	Clean Out, As Per Plan	3	EA
SPEC	Dewatering, As Per Plan	1	LS
SPEC	Digital Video Recording	1	LS
SPEC	Grade Checking, As Per Plan	1	LS
SPEC	Record Drawing, As Per Plan	1	LS
SPEC	Root Pruning, As Per Plan	1	LS
SPEC	Stone Veneer (Dublin SCD STM-03)	17	SY
SPEC	Wall Cap (Dublin SCD STM-04)	17	LF

ABREVIATIONS

Approx	Approximate	Prop	Proposed
CB	Catch Basin	RCP	Rock Channel Protection
℄	Centerline	R/W	Right of Way
Conc	Concrete	San	Sanitary
DND	Do Not Disturb	SCD	Standard Construction Drawing
Elec	Electric	Sta	Station
Elev	Elevation	Stm	Storm
EW	Endwall	TBR	To Be Removed
Ex	Existing	TBRR	To Be Removed & Replaced
FO	Fiber Optic	TBRL	To Be Relocated
HW	Headwall	TBRLO	To Be Relocated By Others
Inv	Invert	Temp	Temporary
Max	Maximum	Typ	Typical
Min	Minimum	Wat	Water
Misc	Miscellaneous	WM	Water Meter
MH	Manhole	WV	Water Valve

REVISIONS

MARK	DATE	DESCRIPTION

CITY OF DUBLIN

CITY OF DUBLIN, FRANKLIN COUNTY, OHIO
PLANS
FOR
DUBLIN BASIN MAINTENANCE PROGRAM 2026
SUPPLEMENTAL NOTES, LEGEND, & QUANTITIES

EMH&T
Evans, Mechwart, Hambleton & Tilton, Inc.
Engineers • Surveyors • Planners • Scientists
5500 New Albany Road, Columbus, OH 43054
Phone: 614.775.4500 Toll Free: 888.775.3648
emht.com

DATE: AUGUST 2026

SCALE: NONE

JOB NO.: 2025-0015

25-024-CIP

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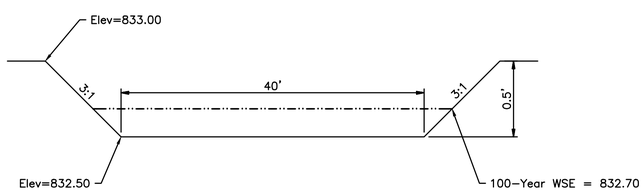
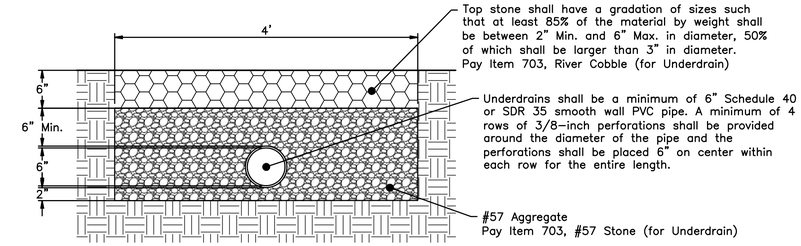
WOODLANDS BASIN 2 STORMWATER MANAGEMENT TABLE - EXISTING CONDITIONS WITHOUT EMBANKMENT FAILURE						
Storm Event (Recurrence Interval)	Peak Inflow Rates (cfs)	Basin Outlet Pipe Peak Flow Rates (cfs)	Basin Spillway Peak Flow Rates (cfs)	Total Peak Outflow Rates (cfs)	Maximum Water Surface Elevation (ft)	Storage Volume Utilized (ac–ft)
1–Year	11.60	6.24	0.00	6.24	830.84	0.169
2–Year	18.58	7.50	2.74	10.24	832.05	0.359
5–Year	29.73	7.65	20.87	28.52	832.21	0.388
10–Year	39.64	7.71	31.73	39.44	832.28	0.400
25–Year	54.30	7.78	46.37	54.14	832.35	0.415
50–Year	66.96	7.83	58.98	66.81	832.41	0.426
100–Year	80.59	7.88	72.60	80.48	832.46	0.436

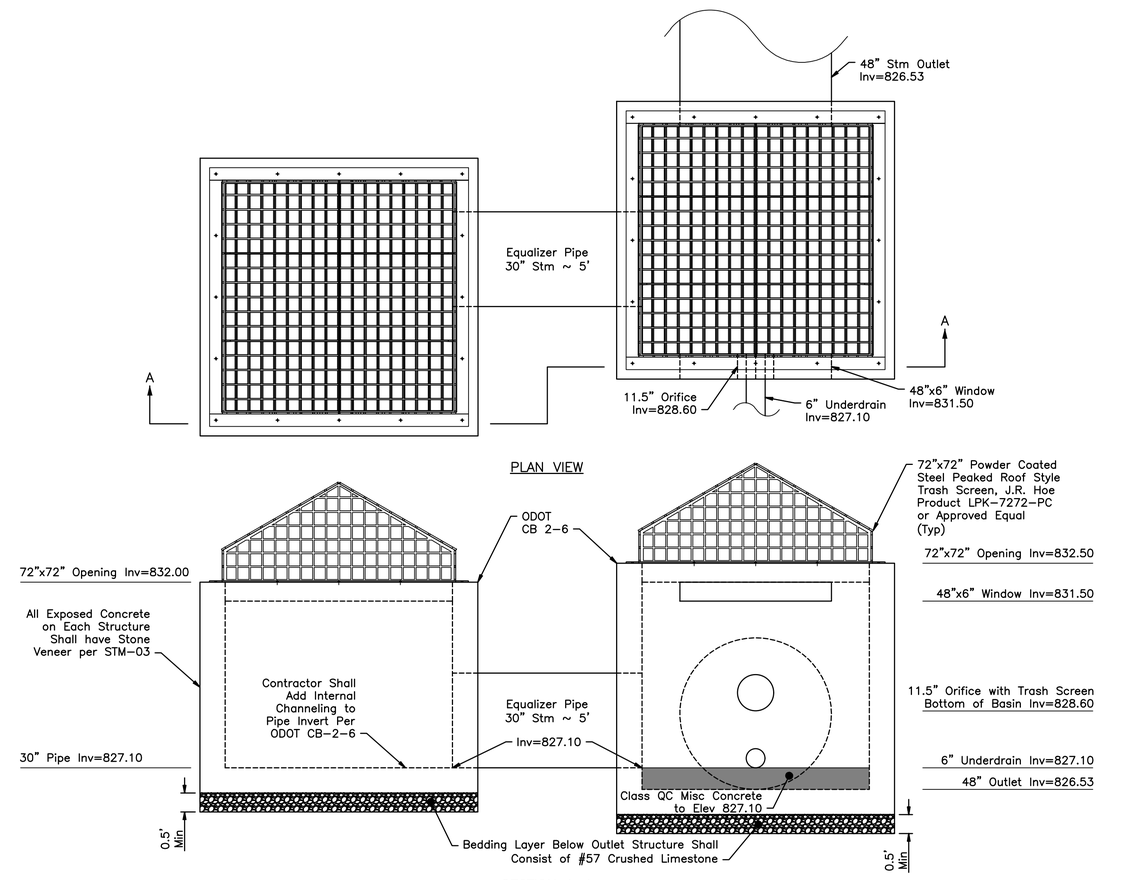
WOODLANDS BASIN 2 STORMWATER MANAGEMENT TABLE - PROPOSED CONDITIONS						
Storm Event (Recurrence Interval)	Peak Inflow Rates (cfs)	Basin Outlet Pipe Peak Flow Rates (cfs)	Basin Spillway Peak Flow Rates (cfs)	Total Peak Outflow Rates (cfs)	Maximum Water Surface Elevation (ft)	Storage Volume Utilized (ac–ft)
1–Year	11.60	6.12	0.00	6.12	830.68	0.203
2–Year	18.58	10.10	0.00	10.10	831.82	0.373
5–Year	29.73	26.37	0.00	26.37	832.27	0.452
10–Year	39.64	38.22	0.00	38.22	832.43	0.482
25–Year	54.30	52.17	1.83	54.00	832.57	0.510
50–Year	66.96	61.60	5.14	66.73	832.64	0.525
100–Year	80.59	71.27	9.14	80.41	832.70	0.538



DETAIL
EMERGENCY SPILLWAY DETAIL - WOODLANDS BASIN 2 NTS



DETAIL
UNDERDRAIN TRENCH DETAIL 1" = 1'



DETAIL
WOODLANDS BASIN 2 OUTLET STRUCTURE DETAIL 1" = 2'

REVISIONS

MARK	DATE	DESCRIPTION

CITY OF DUBLIN

CITY OF DUBLIN, FRANKLIN COUNTY, OHIO
PLANS
FOR
DUBLIN BASIN MAINTENANCE PROGRAM 2026
STORMWATER DETAILS

EMH&T
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5500 New Albany Road, Columbus, OH 43054
Phone: 614.775.4500 Toll Free: 888.775.3648
emht.com

DATE
AUGUST 2026

SCALE
AS NOTED

JOB NO.
2025-0015

SHEET
05/29

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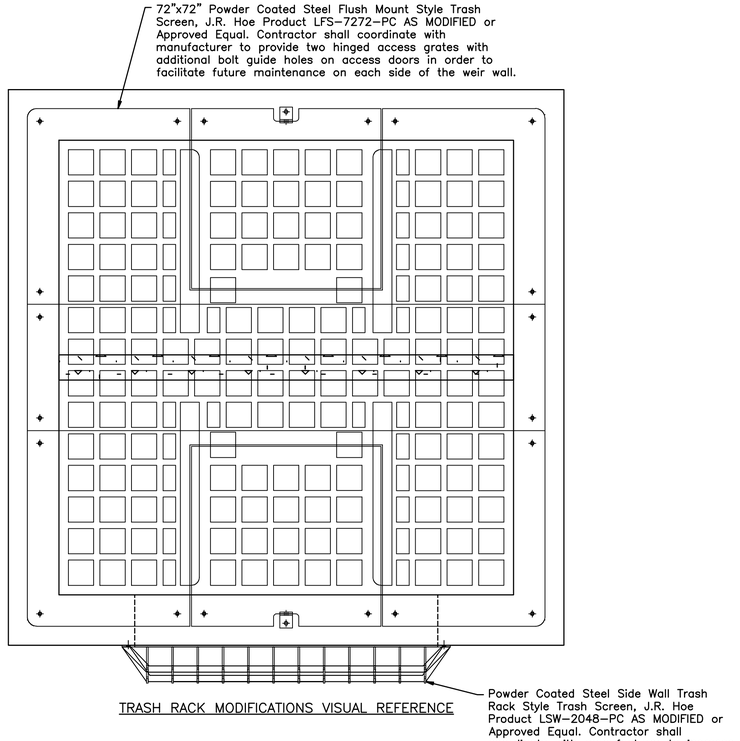
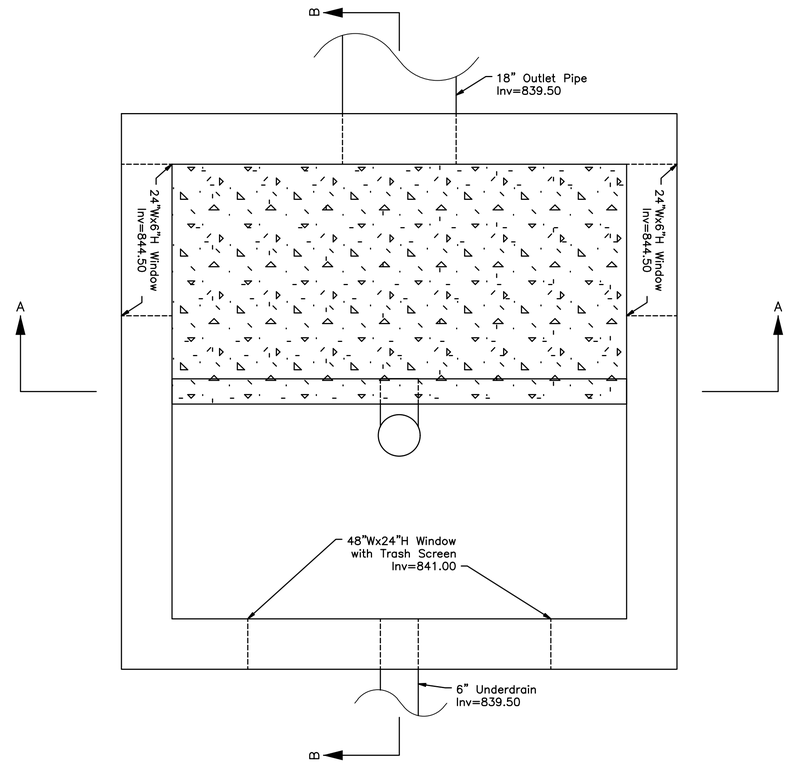


TRASH RACK MODIFICATIONS VISUAL REFERENCE



PLAN VIEW
SECTION A–A AND SECTION B–B
LOCATED ON SHEET 07

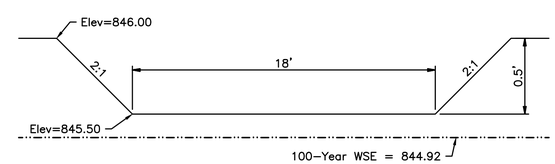
DETAIL
RIVERSIDE WOODS BASIN 1 OUTLET STRUCTURE DETAIL (PART 1 OF 2) 1" = 1'

RIVERSIDE WOODS BASIN 1 STORMWATER MANAGEMENT TABLE - 2006 AS-BUILT CONDITIONS

Storm Event (Recurrence Interval)	Peak Inflow Rates (cfs)	Allowable Release Rates (from 2004 SWMP) (cfs)	Basin Outlet Pipe Peak Flow Rates (cfs)	Basin Spillway Peak Flow Rates (cfs)	Total Peak Outflow Rates (cfs)	Maximum Water Surface Elevation (ft)	Storage Volume Utilized (ac–ft)
1–Year	3.29	0.83	0.28	0.00	0.28	844.69	0.220
2–Year	4.72	0.83	0.55	0.00	0.55	844.84	0.246
5–Year	6.53	0.83	0.75	0.00	0.75	845.10	0.297
10–Year	7.97	1.59	0.90	0.16	1.06	845.35	0.352
25–Year	10.21	5.69	0.93	1.90	2.83	845.41	0.365
50–Year	12.20	11.38	0.97	8.14	9.12	845.49	0.384
100–Year	14.31	17.89	1.01	12.54	13.55	845.53	0.394

RIVERSIDE WOODS BASIN 1 STORMWATER MANAGEMENT TABLE - PROPOSED CONDITIONS

Storm Event (Recurrence Interval)	Peak Inflow Rates (cfs)	Allowable Release Rates (from 2004 SWMP) (cfs)	Basin Outlet Pipe Peak Flow Rates (cfs)	Basin Spillway Peak Flow Rates (cfs)	Total Peak Outflow Rates (cfs)	Maximum Water Surface Elevation (ft)	Storage Volume Utilized (ac–ft)
1–Year	3.29	0.83	0.20	0.00	0.20	843.98	0.256
2–Year	4.72	0.83	0.50	0.00	0.50	844.20	0.294
5–Year	6.53	0.83	0.83	0.00	0.83	844.38	0.329
10–Year	7.97	1.59	1.07	0.00	1.07	844.50	0.354
25–Year	10.21	5.69	2.34	0.00	2.34	844.60	0.376
50–Year	12.20	11.38	6.39	0.00	6.39	844.78	0.415
100–Year	14.31	17.89	10.49	0.00	10.49	844.92	0.447



DETAIL
EMERGENCY SPILLWAY DETAIL - RIVERSIDE WOODS BASIN 1 NTS

REVISIONS

MARK	DATE	DESCRIPTION

CITY OF DUBLIN

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STORMWATER DETAILS

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DATE
AUGUST 2026

SCALE
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06/29

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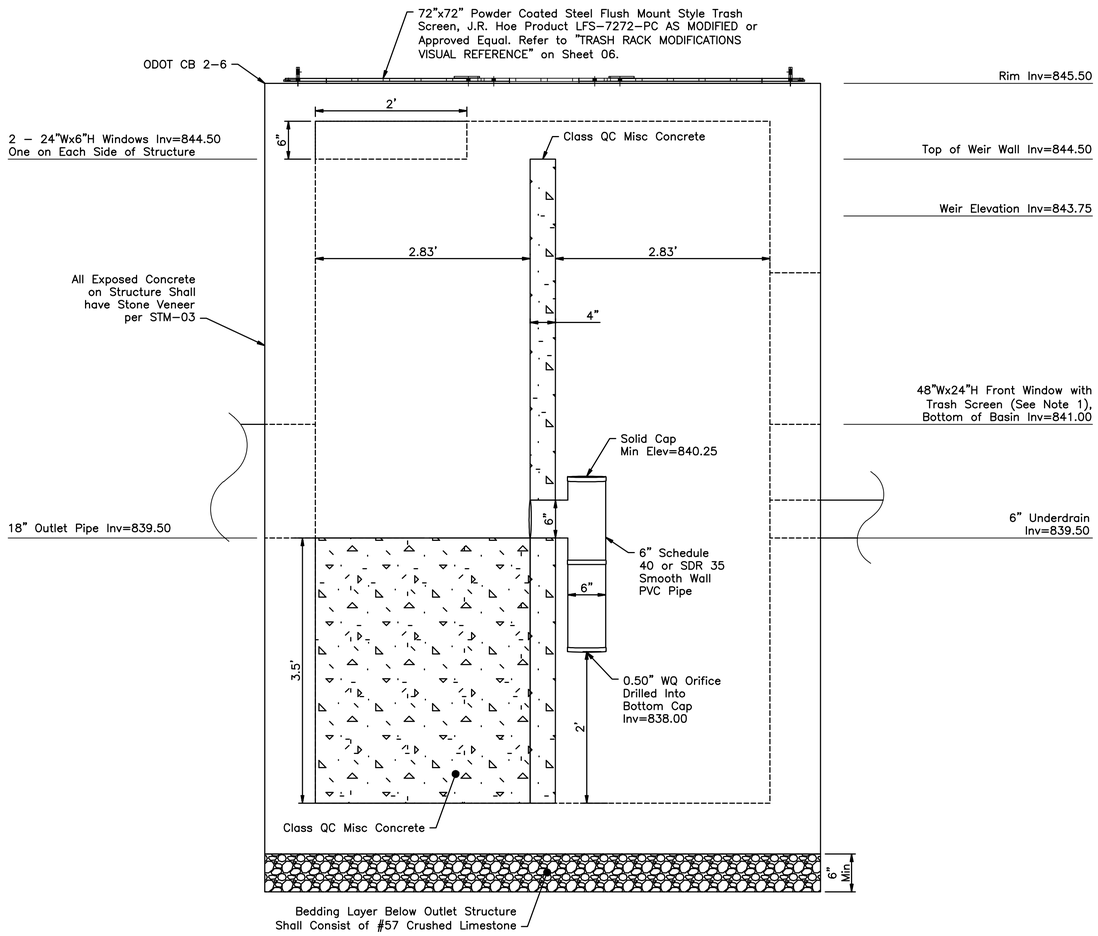
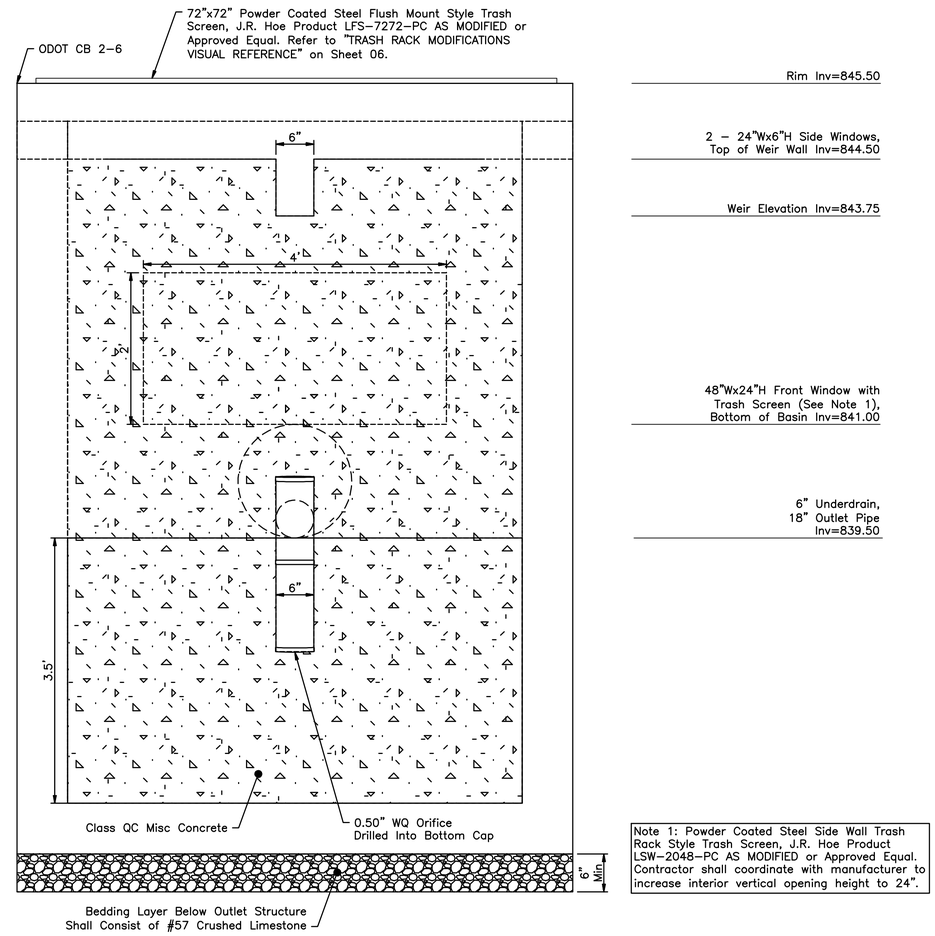


SIDE VIEW (SECTION B-B)



FRONT VIEW (SECTION A-A)

Note 1: Powder Coated Steel Side Wall Trash Rack Style Trash Screen, J.R. Hoe Product LSW-2048-PC AS MODIFIED or Approved Equal. Contractor shall coordinate with manufacturer to increase interior vertical opening height to 24".

DETAIL

RIVERSIDE WOODS BASIN 1 OUTLET STRUCTURE DETAIL (PART 2 OF 2)

1" = 1'

REVISIONS

MARK	DATE	DESCRIPTION

CITY OF DUBLIN

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2025-0015

SHEET
07/29

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NOTE:
1. Communication utilities are planned to be relocated under a separate City project, however relocation will likely occur after the project completion date for this project. In the event the communication utilities are still in place, the Contractor shall be prepared to utilize the southern 13.5' access to complete the project. If the utilities have been relocated outside of the drainage easement at the time of construction, the Contractor is permitted to use either access route as shown on these plans.
2. Individual trees have been omitted from this sheet for clarity.

HARVEY WILBERT W & WIESER-HARVEY BARBARA
4410 MAY APPLE COURT
PID: 273-009014

Ex 4" Stm
Inv = 836.12

Ex 4" Stm
Inv = 837.94

Ex San Cleanout (DND)

Ex Septic Lids (DND)

Ex 24" Stm
Inv = 833.26

Ex 18" Stm
Inv = 832.91

Ex 18"-24" Stm

PLEW ANITA C & HESS CHARLES W
7730 RIVERSIDE DRIVE
PID: 273-008625

Ex Drainage Easement: Plat Book 65, Page 36 (The Woodlands)

Limits of Disturbance

Ex 6" Stm
Inv = 836.92

Ex 100-Year Ponding
Elev = 832.46

Ex Dry Basin

Ex Conc Channel

Ex 12" Stm
Inv = 827.62

Ex Outlet Structure

Ex 18" Stm
Inv = 826.91

Ex Riprap

Ex Stream Corridor Protection Zone

Approx Future San Easement (By Separate Plan)

Ex 24" Stm
Inv = 829.04

Ex 24" Stm

Ex 24" Stm (DND)

Ex Stm MH

Ex Water Line (DND)

Ex Mulch Bed (DND)

Ex Landscape Lighting Lines (Extents Unknown)
(Coordinate Recovery with Residences)

Temp Timber/ Structural Matting

Ex Water Valve (DND)

Ex Birdhouse (DND)

DAWSON JOHN
7726 RIVERSIDE DRIVE
PID: 273-008865

COCUMELLI JOHN A & SHELLY L
4405 MAY APPLE COURT
PID: 273-009013

Ex Asphalt Drive (DND)

Ex Curb & Gutter (~15')
(R&R Per RDW-03 – 6" Combination Curb & Gutter. Cost to be Included in the Bid Item for Item 609, Remove and Replace Curb and Gutter, As Per Plan)

Ex Conc Apron (DND)

Ex Stm Grate (PROTECT)

Ex Water Curb Stops (PROTECT)

Ex Gas Valve (PROTECT)

Ex Gas Valve (PROTECT)

Ex Landscaping

Ex Comm Boxes (See Note 1)

Ex Water Line (PROTECT)

13.5

Ex 18" Stm (DND)

Ex Curb & Gutter (~14')
(R&R Per RDW-03 – 6" Combination Curb & Gutter. Cost to be Included in the Bid Item for Item 609, Remove and Replace Curb and Gutter, As Per Plan)

15' Easement from R/W Per P.B. 65 P. 36

HETZEL ROBERT T & RAMONA C
4393 MAY APPLE COURT
PID: 273-009012

KEEGAN MADELINE N & JOHN P
4396 MAY APPLE COURT
PID: 273-009015

Ex Stm MH (DND)

Ex Gas Valve (DND)

Ex Water Valve (DND)

Ex Comm Boxes (DND)

Ex Fire Hydrant (DND)

Temporary Staging Area within Right-of-Way

Limits of Disturbance

MAY APPLE COURT

Ex Curb & Gutter (~92')
(R&R Per RDW-03 – 6" Combination Curb & Gutter. Cost to be Included in the Bid Item for Item 609, Remove and Replace Curb and Gutter, As Per Plan)

Temporary Construction Access

SCHOENER JOSEPH A & KATHLEEN M
4380 MAY APPLE COURT
PID: 273-009016

RED BAY COURT

GRAPHIC SCALE
0 10 20 40
1 inch = 20 feet

REVISIONS

MARK	DATE	DESCRIPTION

CITY OF DUBLIN

CITY OF DUBLIN, FRANKLIN COUNTY, OHIO
PLANS
FOR
DUBLIN BASIN MAINTENANCE PROGRAM 2026
WOODLANDS BASIN 2 ACCESS PLAN

EMH&T
Evans, Mechwart, Hambleton & Tilton, Inc.
5500 New Albany Road, Columbus, OH 43054
Engineers • Surveyors • Planners • Scientists
Phone: 614.775.4500 Toll free: 888.775.3648
emht.com

DATE
AUGUST 2026

SCALE
1" = 20'

JOB NO.
2025-0015

SHEET
08/29

25-024-CIP

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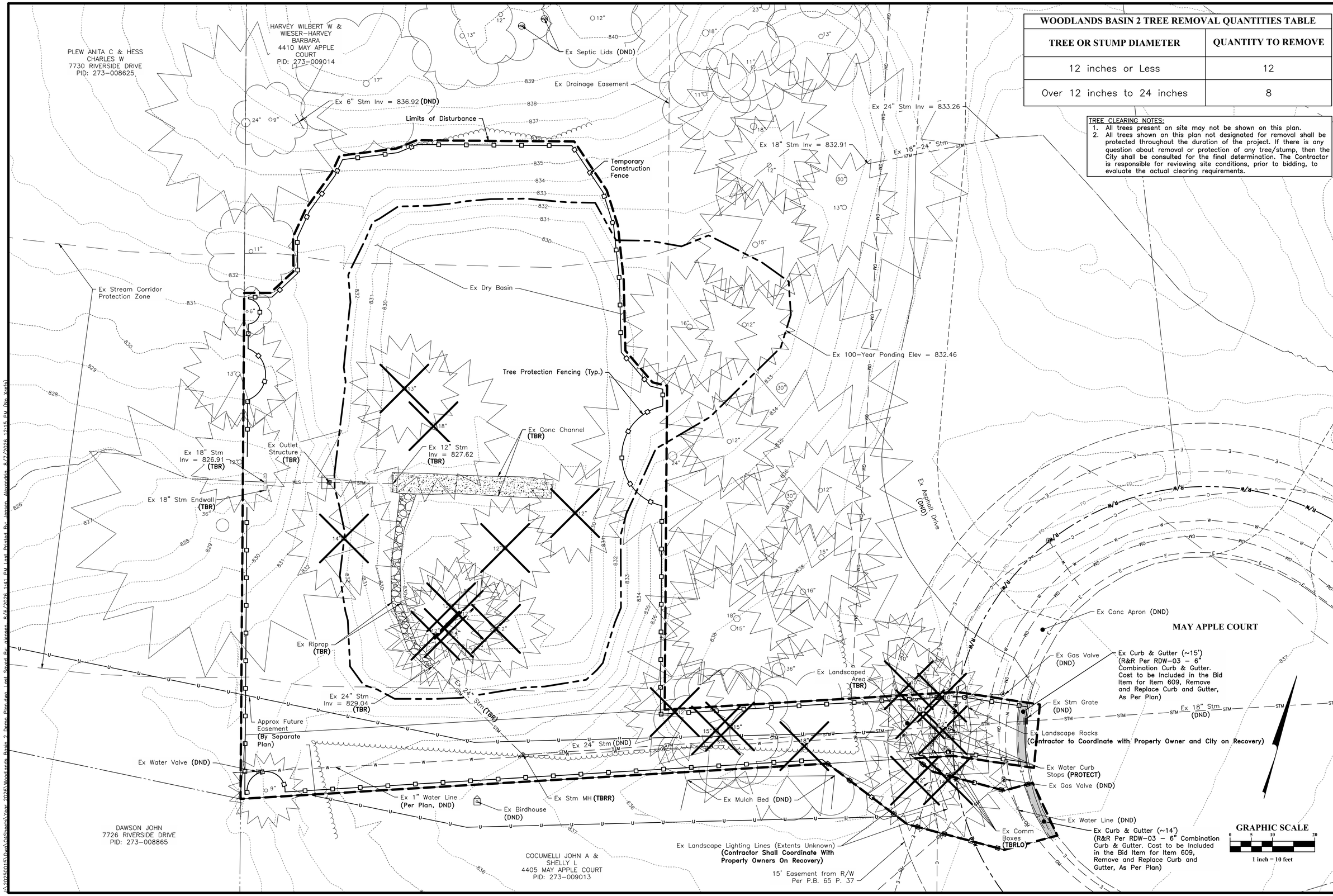
WOODLANDS BASIN 2 TREE REMOVAL QUANTITIES TABLE	
TREE OR STUMP DIAMETER	QUANTITY TO REMOVE
12 inches or Less	12
Over 12 inches to 24 inches	8

TREE CLEARING NOTES:
1. All trees present on site may not be shown on this plan.
2. All trees shown on this plan not designated for removal shall be protected throughout the duration of the project. If there is any question about removal or protection of any tree/stump, then the City shall be consulted for the final determination. The Contractor is responsible for reviewing site conditions, prior to bidding, to evaluate the actual clearing requirements.



REVISIONS

MARK	DATE	DESCRIPTION

CITY OF DUBLIN

CITY OF DUBLIN, FRANKLIN COUNTY, OHIO
PLANS
FOR
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WOODLANDS BASIN 2 DEMO PLAN

EMH&T
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5500 New Albany Road, Columbus, OH 43054
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emht.com

DATE
AUGUST 2026

SCALE
1" = 10'

JOB NO.
2025-0015

SHEET
09/29

25-024-CIP

NOTES:
1. Contractor shall perform root pruning at the location indicated on this Sheet prior to the start of earthwork in the adjacent area. The root pruning will be performed in accordance with Item Spec., Root Pruning, As Per Plan.

PLEW ANITA C & HESS CHARLES W
7730 RIVERSIDE DRIVE
PID: 273-008625

HARVEY WILBERT W & WIESER-HARVEY BARBARA
4410 MAY APPLE COURT
PID: 273-009014

DAWSON JOHN
7726 RIVERSIDE DRIVE
PID: 273-008865

COCUMELLI JOHN A & SHELLY L
4405 MAY APPLE COURT
PID: 273-009013

MAY APPLE COURT

Ex Septic Lids (DND)
Ex Drainage Easement
Ex 6" Stm Inv = 836.92 (DND)
Limits of Disturbance
Temporary Construction Fence
Ex 24" Stm Inv = 833.26
Ex 18" Stm Inv = 832.91
Ex 18"-24" Stm
Ex Stream Corridor Protection Zone
Tree Protection Fencing (Typ.)
40' Overflow Spillway with Turf Reinforcement Matting Elev = 832.50 (See Sheet 05 For Spillway Detail, Sheet 20 For Matting Detail, and Sheet 24 For Seeding Extents)
Prop 25-Year Ponding Elevation will Activate Spillway
Prop 100-Year Ponding Elev=832.70
Prop Oldcastle Precast Pipe Culvert Headwall with Dissipators, or Approved Equal with Stone Veneer per STM-03 Inv=826.52
Ex Stream
Prop RCP, Type B with Filter (10'x12'x1.5')
Root Pruning Prior to Grading (See Note 1 - This Sheet)
HW 2
Prop 48" Stm (16 LF) (With Anti-Seep Collar)
Prop Outlet Structure with Stone Veneer and Trash Rack (See Detail Sheet 05)
Prop 52 LF 6" Underdrain (See Detail Sheet 05)
Prop 30" Stm 5 LF
Prop Outlet Structure with Trash Rack
6" Clean Outs To Be Installed Per AA-S161
Prop 6" Underdrain 38 LF (See Detail Sheet 05)
Prop RCP, Type B with Aggregate Filter (10.5'x5'x3.5')
Prop Headwall per AA-S168 with Stone Veneer per STM-03 Inv = 829.09
8' Berm
HW 1
Approx Future Easement (By Separate Plan)
Prop 24" Stm 14 LF
Ex 24" Stm (DND)
Ex Water Valve (DND)
Ex 1" Water Line (Per Plan, DND)
Prop Stm MH Per AA-S102
Ex Birhouse (DND)
Contractor Shall Protect the Underground Utilities During Performance of Work
Ex Mulch Bed (DND)
Ex Landscape Lighting Lines (Extents Unknown) (Contractor Shall Coordinate With Property Owners On Recovery)
15' Easement from R/W Per P.B. 65 P. 37
Ex Asphalt Drive (DND)
Ex Mulch Bed Within LOD Limits (TBR)
Ex Conc Apron (DND)
Ex Gas Valve (DND)
Ex Stm Grate (DND)
Ex 18" Stm (DND)
Ex Water Curb Stops (PROTECT)
Ex Gas Valve (DND)
Ex Water Line (DND)
Ex Comm Boxes (TBRLO)

GRAPHIC SCALE
0 5 10 20
1 inch = 10 feet

REVISIONS

MARK	DATE	DESCRIPTION

CITY OF DUBLIN

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emht.com

DATE
AUGUST 2026

SCALE
1" = 10'

JOB NO.
2025-0015

SHEET
10/29

25-024-CIP

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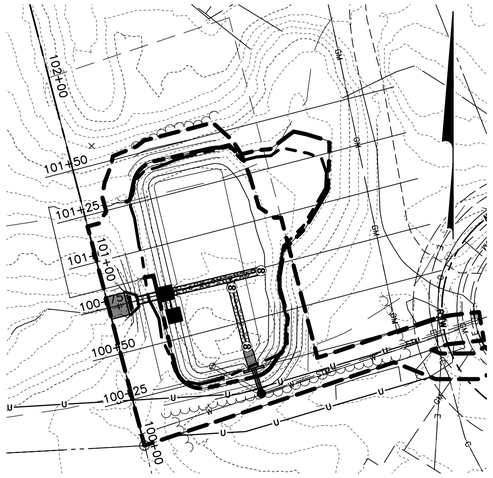
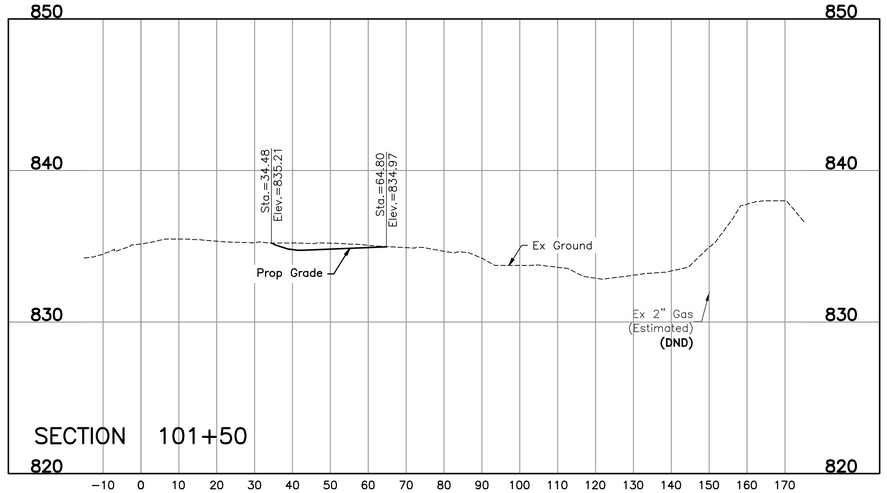
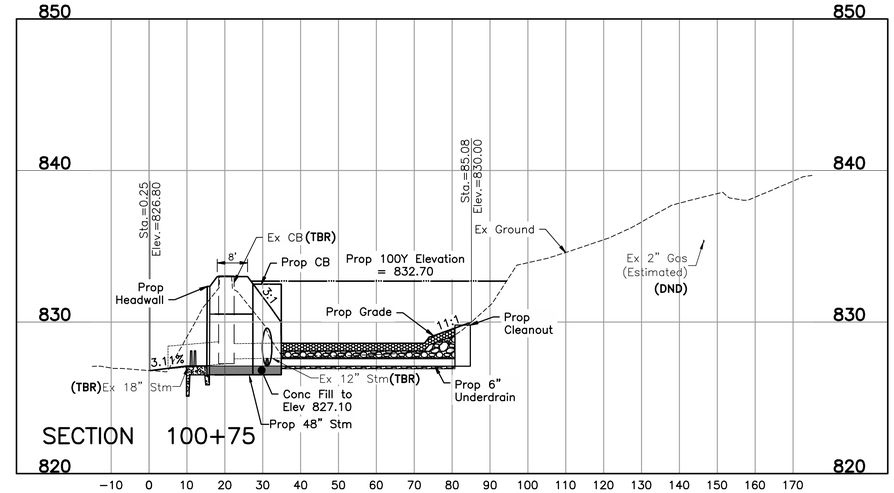


Cross Section Index Map
1" = 40'

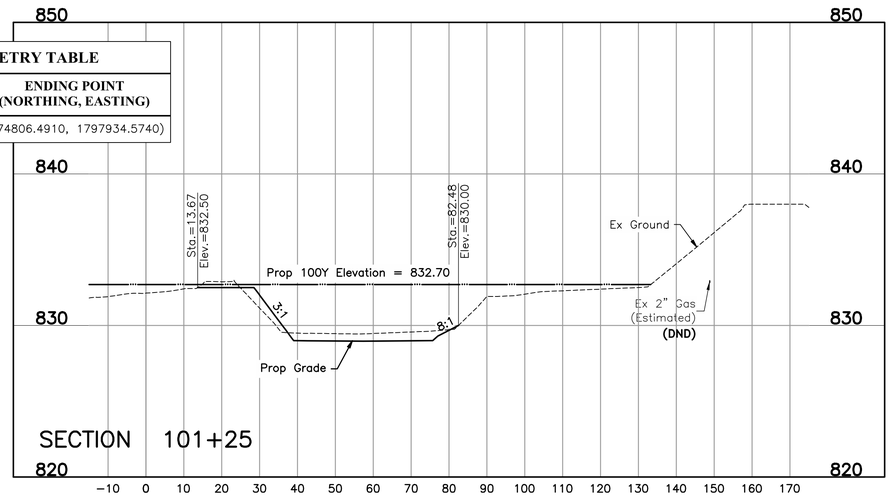


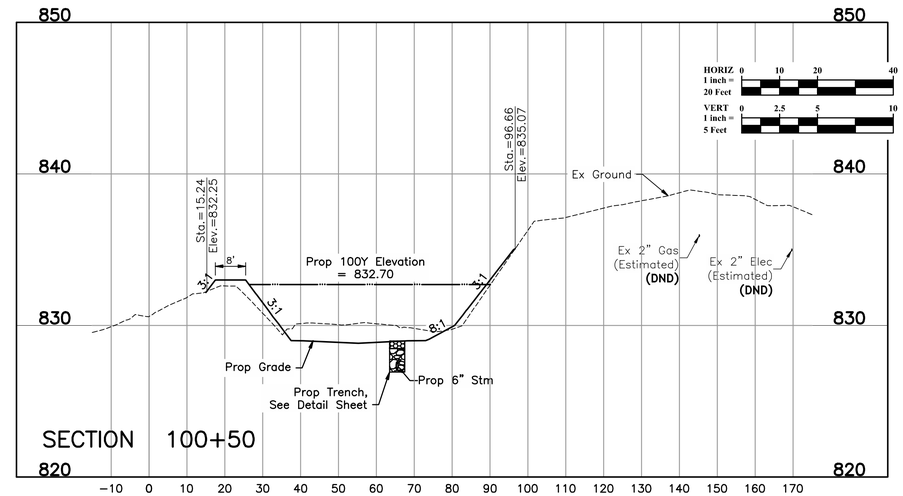


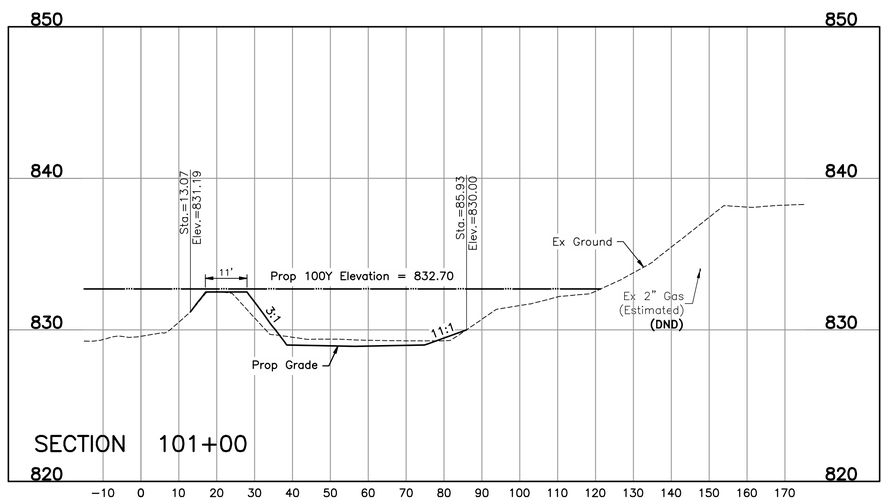
WESTERN PROPERTY LINE ALIGNMENT BASELINE GEOMETRY TABLE

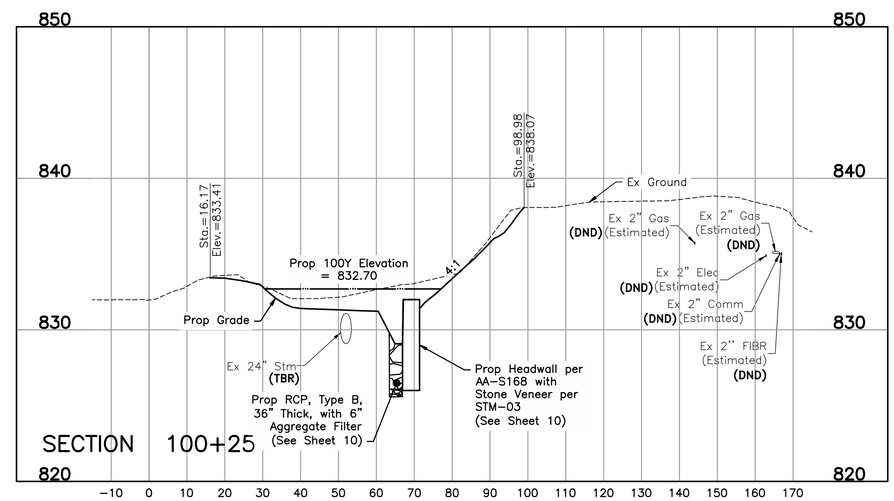
STATION	STARTING POINT (NORTHING, EASTING)	RADIUS	BEARING	DISTANCE	ENDING POINT (NORTHING, EASTING)
100+00.00	(774476.9186, 1798020.2739)	–	N14°34'34"W	340.53'	(774806.4910, 1797934.5740)

NOTE:
1. Cross sections are cut perpendicular to property lines, not the basin perimeter. Slopes shown on the cross sections will vary from the Typical Section due to the skew angle between the cross section and basin perimeter.









REVISIONS

MARK	DATE	DESCRIPTION

CITY OF DUBLIN

CITY OF DUBLIN, FRANKLIN COUNTY, OHIO
PLANS
FOR
DUBLIN BASIN MAINTENANCE PROGRAM 2026
WOODLANDS BASIN 2 CROSS SECTIONS

EMH&T
Evans, Mechwart, Hambleton & Tilton, Inc.
Engineers • Surveyors • Planners • Scientists
5500 New Albany Road, Columbus, OH 43054
Phone: 614.775.4500 Toll free: 888.775.3648
emht.com

DATE
AUGUST 2026

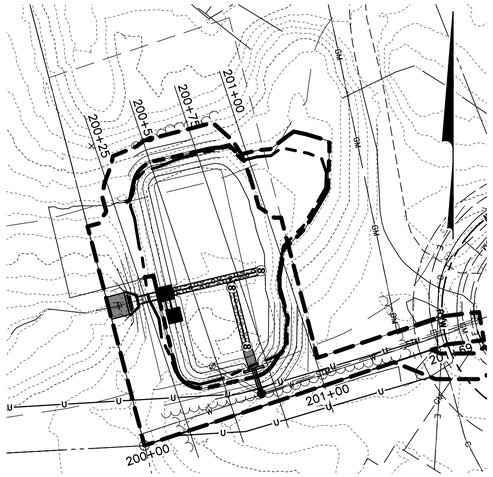
SCALE
Horiz: 1" = 20'
Vert: 1" = 5'

JOB NO.
2025-0015

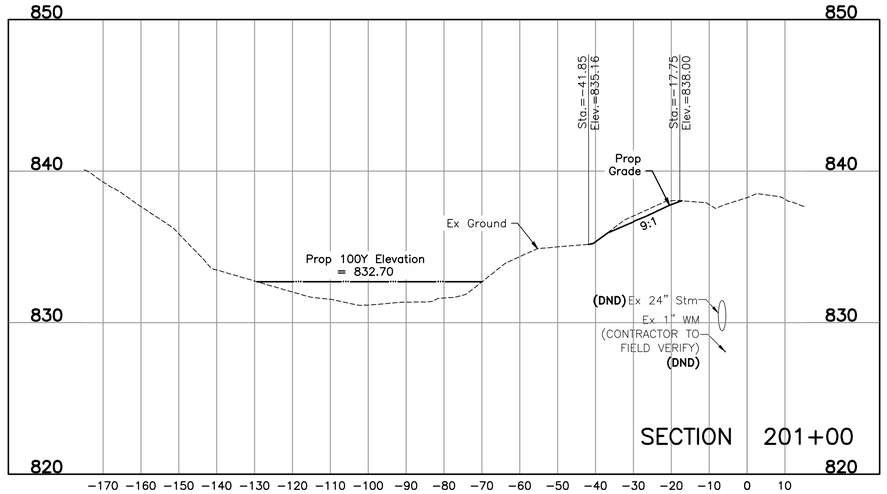
SHEET
11/29

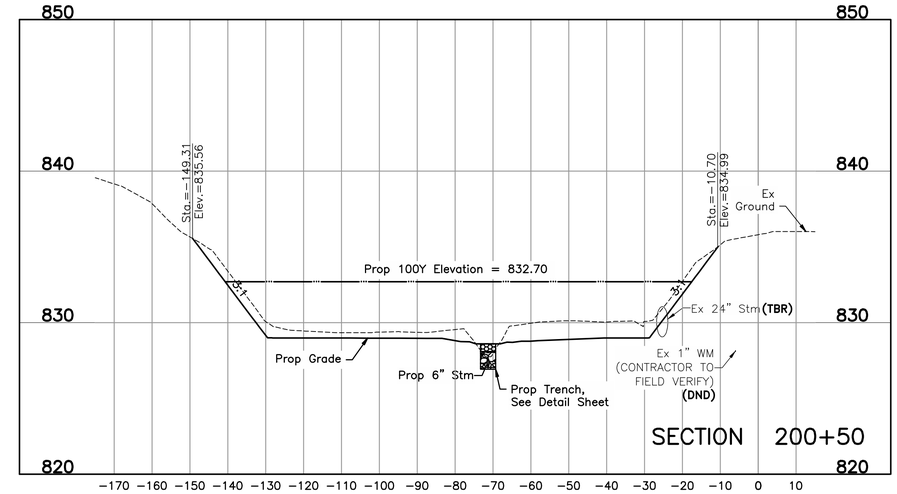
25-024-CIP

A:\2025\015\Dwg\04Sheets\Xcsr_2026\Woodlands Basin 2 Cross Sections.dwg Last Saved By: djensen 8/11/2026 3:14 PM Last Printed By: jlensen Alexandria 8/17/2026 12:16 PM (No Xref)



Cross Section Index Map
1" = 40'



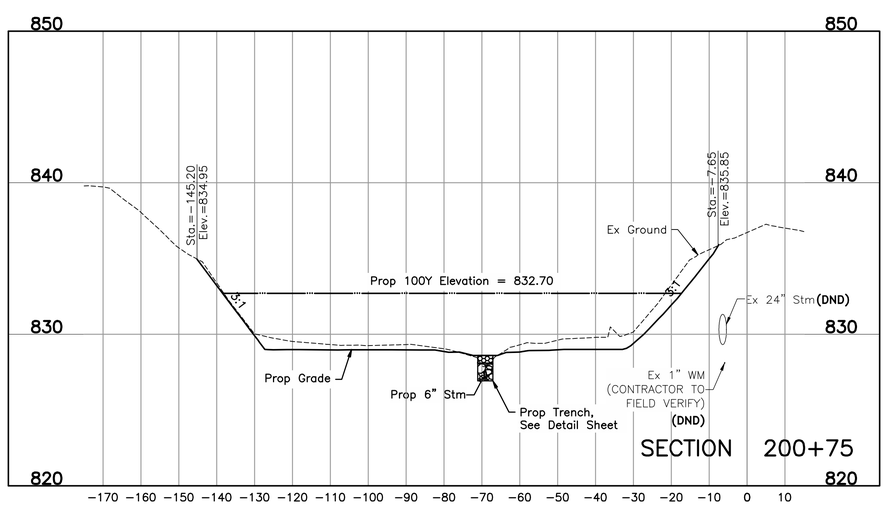


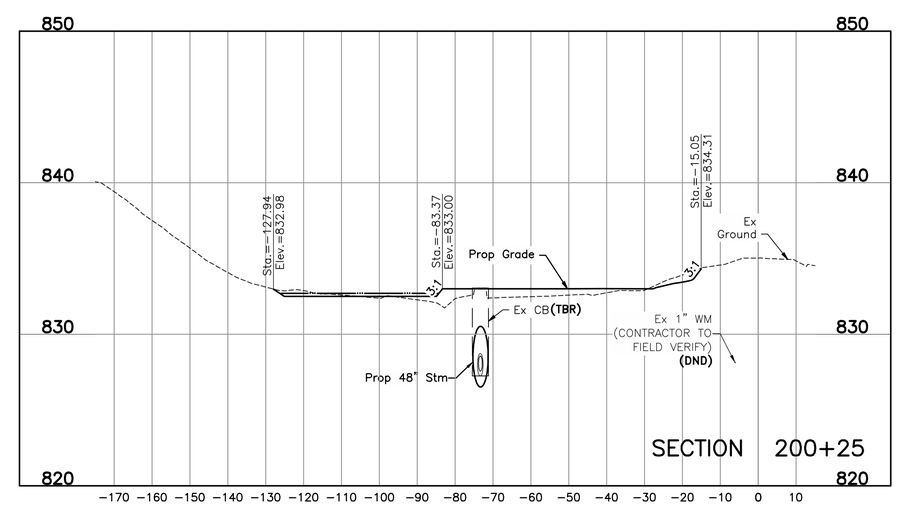
SOUTHERN PROPERTY LINE ALIGNMENT BASELINE GEOMETRY TABLE

STATION	STARTING POINT (NORTHING, EASTING)	RADIUS	BEARING	DISTANCE	ENDING POINT (NORTHING, EASTING)
200+00.00	(774476.9186, 1798020.2739)	–	N71°33'15"E	168.63'	(774530.2738, 1798180.2390)

NOTE:
1. Cross sections are cut perpendicular to property lines, not the basin perimeter. Slopes shown on the cross sections will vary from the Typical Section due to the skew angle between the cross section and basin perimeter.

HORIZ 1 inch = 20 Feet: 0, 10, 20, 40
VERT 1 inch = 5 Feet: 0, 2.5, 5, 10





REVISIONS

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CITY OF DUBLIN

CITY OF DUBLIN, FRANKLIN COUNTY, OHIO
PLANS
FOR
DUBLIN BASIN MAINTENANCE PROGRAM 2026
WOODLANDS BASIN 2 CROSS SECTIONS

EMHT
Evans, Mechwart, Hambleton & Tilton, Inc.
Engineers • Surveyors • Planners • Scientists
5500 New Albany Road, Columbus, OH 43054
Phone: 614.775.4500 Toll Free: 888.775.3648
emht.com

DATE
AUGUST 2026

SCALE
Horiz: 1" = 20'
Vert: 1" = 5'

JOB NO.
2025-0015

SHEET
12/29

25-024-CIP

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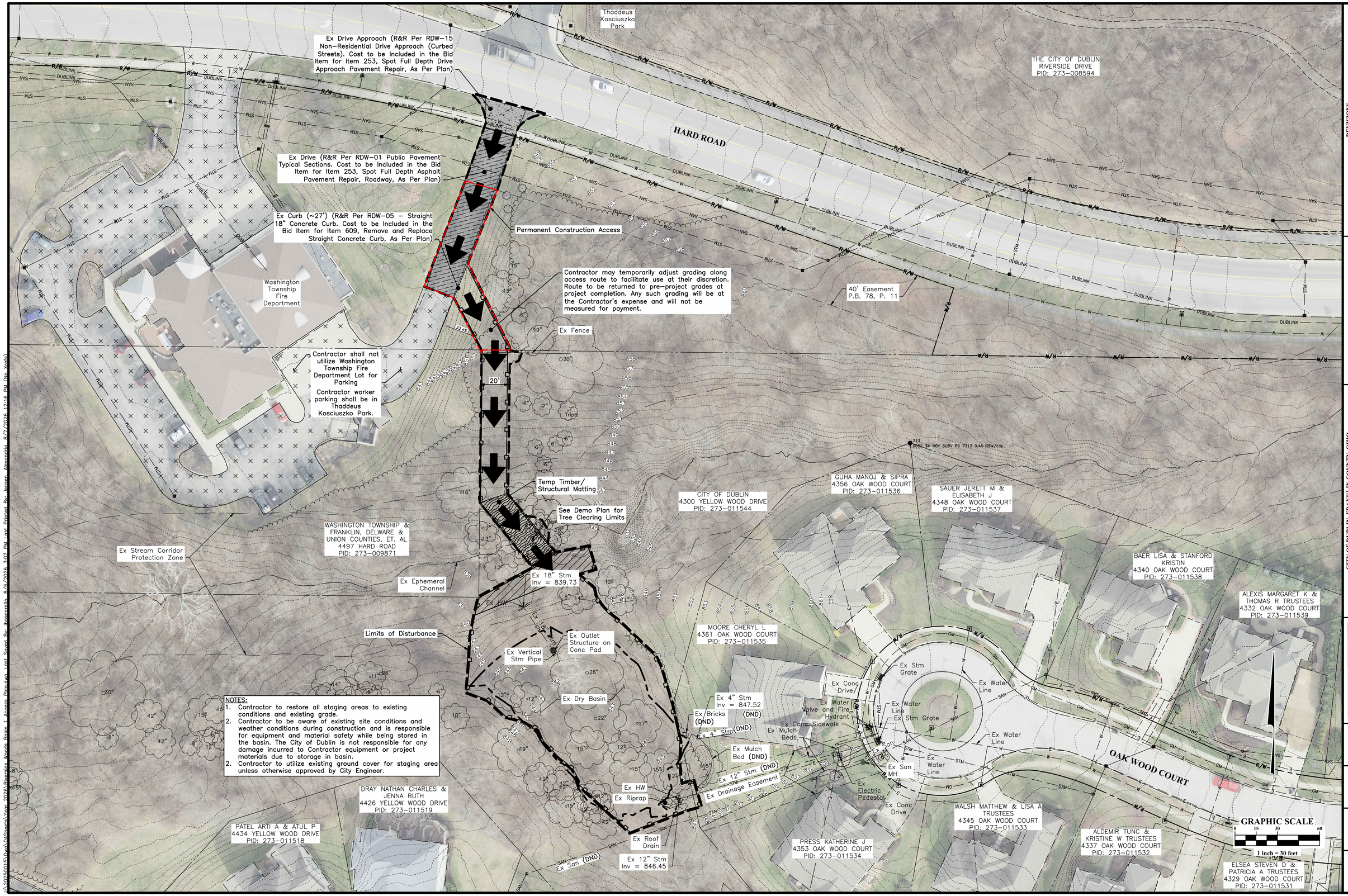

NOTES:
1. Contractor to restore all staging areas to existing conditions and existing grade.
2. Contractor to be aware of existing site conditions and weather conditions during construction and is responsible for equipment and material safety while being stored in the basin. The City of Dublin is not responsible for any damage incurred to Contractor equipment or project materials due to storage in basin.
2. Contractor to utilize existing ground cover for staging area unless otherwise approved by City Engineer.

REVISIONS

MARK	DATE	DESCRIPTION

CITY OF DUBLIN

CITY OF DUBLIN, FRANKLIN COUNTY, OHIO
PLANS
FOR
DUBLIN BASIN MAINTENANCE PROGRAM 2026
RIVERSIDE WOODS BASIN 1 ACCESS PLAN

EMH&T
Evans, Mechwart, Hambleton & Tilton, Inc.
Engineers • Surveyors • Planners • Scientists
5500 New Albany Road, Columbus, OH 43054
Phone: 614.775.4500 Toll Free: 888.775.3648
emht.com

DATE
AUGUST 2026

SCALE
1" = 30'

JOB NO.
2025-0015

SHEET
13/29

25-024-CIP

RIVERSIDE WOODS BASIN 1 TREE REMOVAL QUANTITIES TABLE

TREE OR STUMP DIAMETER	QUANTITY TO REMOVE
12 inches or Less	10
Over 12 inches to 24 inches	8
Over 24 inches to 36 inches	1

TREE CLEARING NOTES:

1. All trees present on site may not be shown on this plan.
2. All trees shown on this plan not designated for removal shall be protected throughout the duration of the project. If there is any question about removal or protection of any tree/stump, then the City shall be consulted for the final determination. The Contractor is responsible for reviewing site conditions, prior to bidding, to evaluate the actual clearing requirements.
3. Contractor shall remove all brush and small trees from existing basin embankment by cutting material flush with existing grade. Contractor shall leave roots of material in place to avoid disturbing existing embankment.

Ex Building

Ex Parking Lot and Drive (Do Not Park)

Additional Tree Clearing Area (0.03 Acres) Cost to be included in the Bid Item for Item 201 Clearing and Grubbing, As Per Plan.

Ex Fence [~17'] (TBR)

WASHINGTON TOWNSHIP & FRANKLIN, DELWARE & UNION COUNTIES, ET. AL 4497 HARD ROAD PID: 273-009871

Ex Stream Corridor Protection Zone

Ex Ephemeral Channel

Temporary Staging Area

Temporary Construction Fence

Ex HW (TBRR)

Ex 18" Stm Inv = 839.73 (TBRR)

Limits of Disturbance

Ex Outlet Structure on Conc Pad (TBR)

Contractor Shall Dispose of Underdrain Debris Present on Site

Ex Vertical Stm Pipe (TBR)

Ex Dry Basin (To Be Cleared)

Ex 100-Year Ponding Elev = 845.53

Ex Bricks (DND)

Ex 4" Stm (DND)

Ex 4" Stm Invert = 847.5

Ex Mulch Bed (DND)

Ex HW (TBR)

Ex Riprap (TBR)

Ex Roof Drain (PROTECT)

Ex 12" Stm Inv = 846.45 [8'] (TBRR)

Ex 12" Stm (DND)

Ex Drainage Easement

Ex San (DND)

Additional Tree Clearing Area (0.003 Acres) Cost to be included in the Bid Item for Item 201 Clearing and Grubbing, As Per Plan.

CITY OF DUBLIN 4300 YELLOW WOOD DRIVE PID: 273-011544

MOORE CHERYL L 4361 OAK WOOD COURT PID: 273-011535

GUHA MANOJ & SIPRA 4356 OAK WOOD COURT PID: 273-011536

SAUER JERETT M & ELISABETH J 4348 OAK WOOD COURT PID: 273-011537

DRAY NATHAN CHARLES & JENNA RUTH 4426 YELLOW WOOD DRIVE PID: 273-011519

PATEL ARTI A & ATUL P 4434 YELLOW WOOD DRIVE PID: 273-011518

PRESS KATHERINE J 4353 OAK WOOD COURT PID: 273-011534

OAK WOOD COURT

Ex Stm Grate

Ex Water Line

Ex Conc Drive

Ex Water Valve and Fire Hydrant

Ex Conc Sidewalk

Ex Mulch Beds

Ex Mulch Bed

Ex San MH

Ex Electric Pedestal

Ex Conc Drive

GRAPHIC SCALE

0 10 20 40

1 inch = 20 feet

REVISIONS

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CITY OF DUBLIN

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PLANS
FOR
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RIVERSIDE WOODS BASIN 1 DEMO PLAN

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5500 New Albany Road, Columbus, OH 43054
Phone: 614.775.4500 Toll Free: 888.775.3648
emht.com

DATE: AUGUST 2026

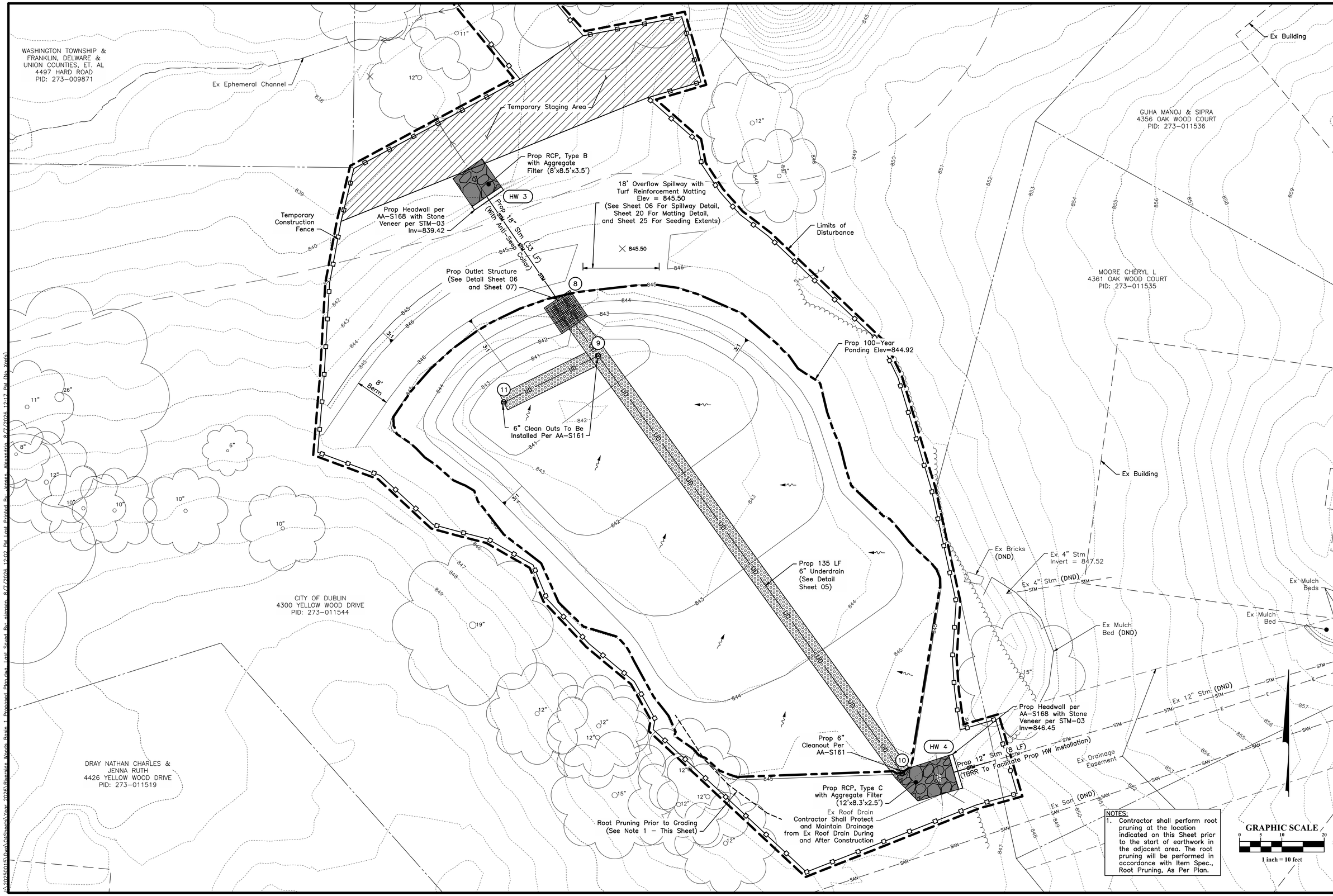
SCALE: 1" = 20'

JOB NO.: 2025-0015

SHEET: 14/29

25-024-CIP

A:\2025\0015\Dwg\05Sheets\Year 2026\Riverside Woods Basin 1 Demo Plan.dwg, last Saved By: jbrockerdin, 8/6/2026 10:48 AM, last Printed By: jensen.alexandrin, 8/7/2026, 12:17 PM (No Xref's)



REVISIONS

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RIVERSIDE WOODS BASIN 1 PROPOSED PLAN

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5500 New Albany Road, Columbus, OH 43054
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emht.com

DATE
AUGUST 2026

SCALE
1" = 10'

JOB NO.
2025-0015

SHEET
15/29

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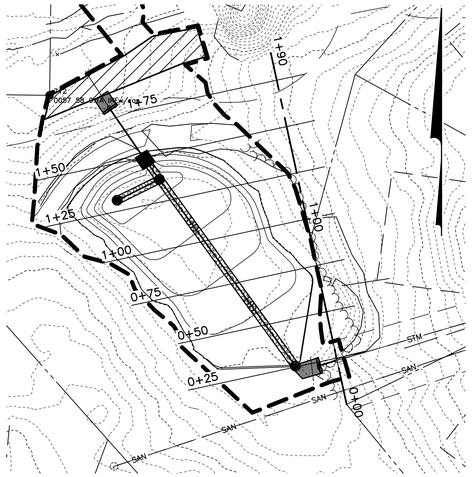
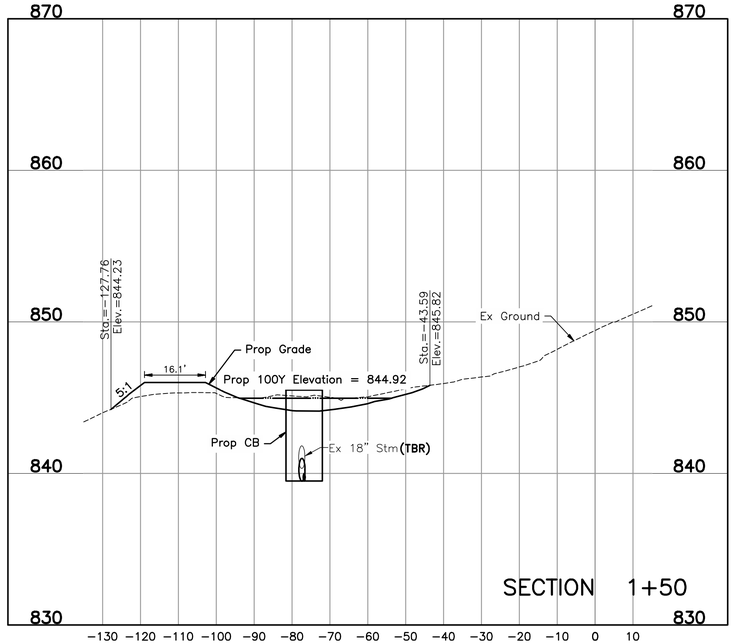
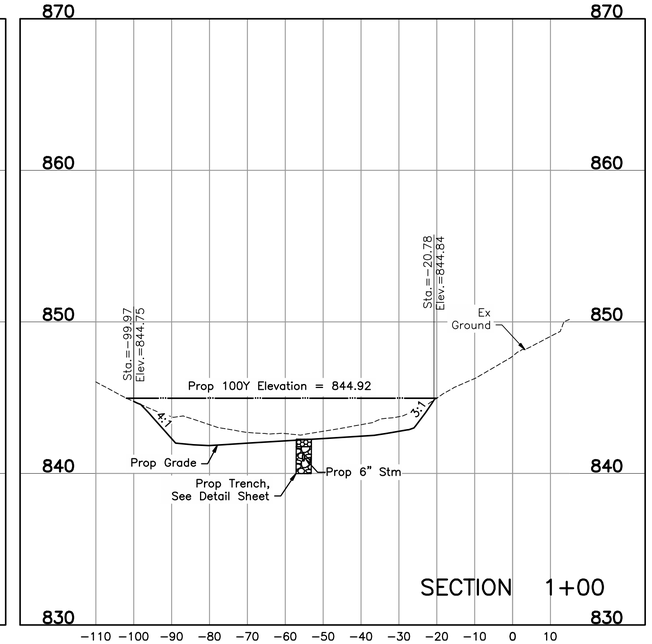
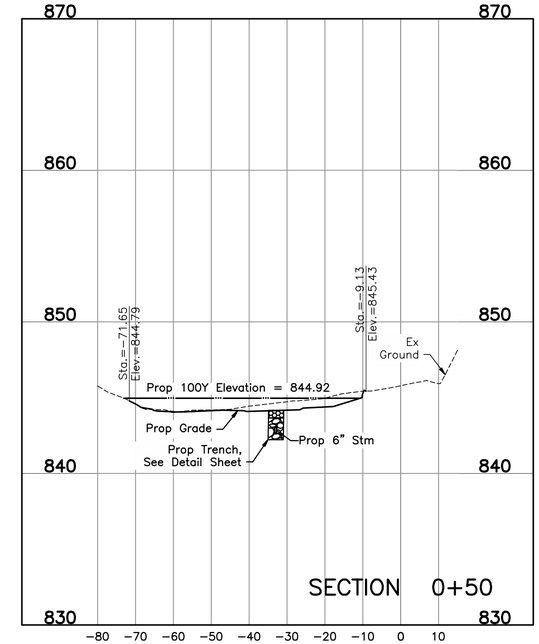


Cross Section Index Map
1" = 40'





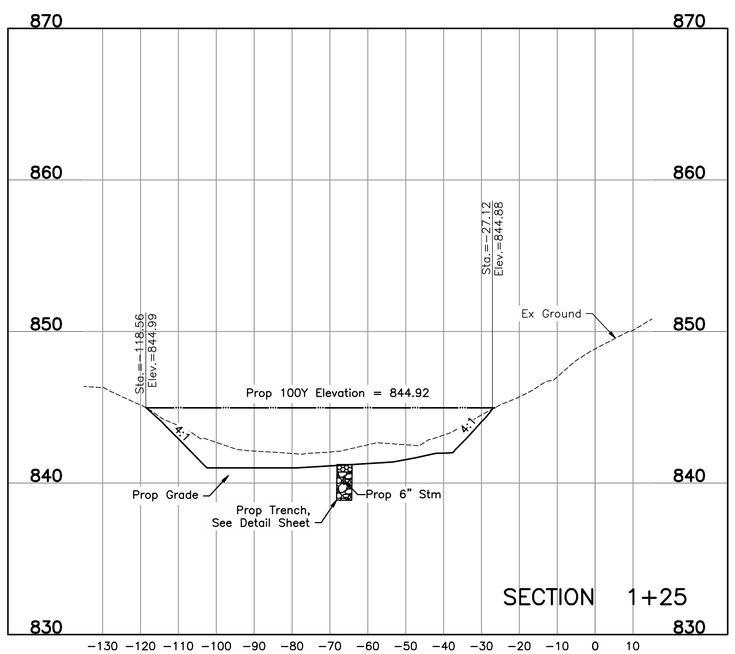


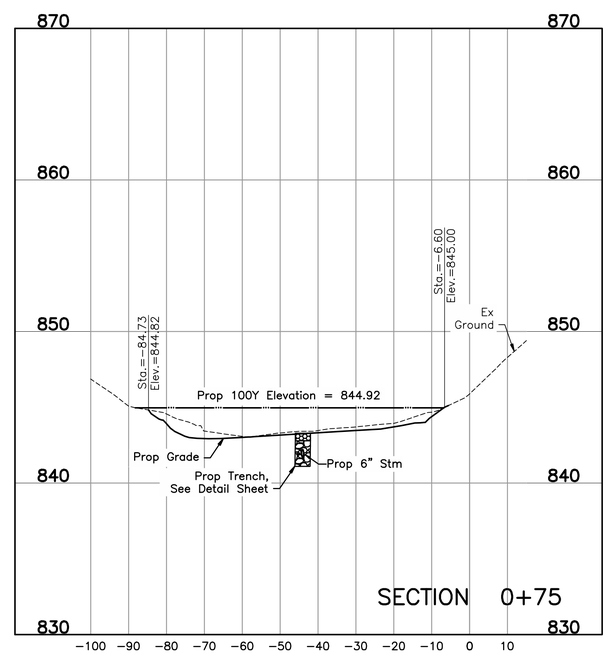
EXTENDED PROPERTY LINE ALIGNMENT BASELINE GEOMETRY TABLE

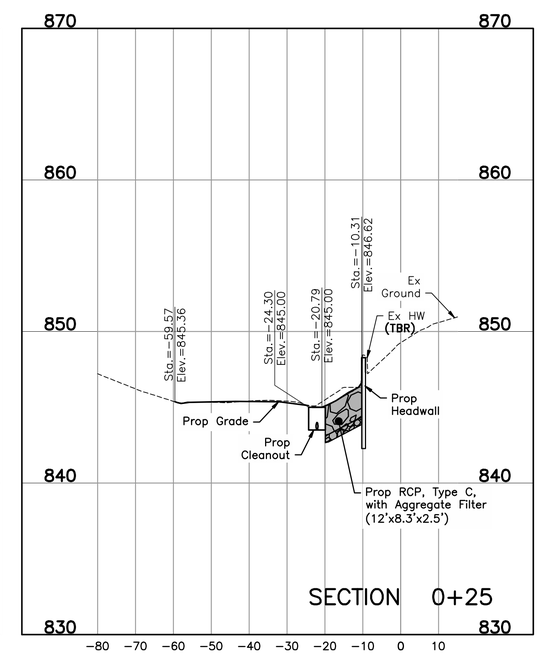
STATION	STARTING POINT (NORTHING, EASTING)	RADIUS	BEARING	DISTANCE	ENDING POINT (NORTHING, EASTING)
0+00.00	(772517.4353, 1798690.0944)	–	N12°09'24"W	189.61'	(772702.7940, 1798650.1655)

NOTE:
1. Cross sections are cut perpendicular to property lines, not the basin perimeter. Slopes shown on the cross sections will vary from the Typical Section due to the skew angle between the cross section and basin perimeter.

HORIZ 1 inch = 20 Feet: 0, 10, 20, 40
VERT 1 inch = 5 Feet: 0, 2.5, 5, 10







REVISIONS

MARK	DATE	DESCRIPTION

CITY OF DUBLIN

CITY OF DUBLIN, FRANKLIN COUNTY, OHIO
PLANS
FOR
DUBLIN BASIN MAINTENANCE PROGRAM 2026
RIVERSIDE WOODS BASIN 1 CROSS SECTIONS

EMH&T
Evans, Mechwart, Hambleton & Tilton, Inc.
Engineers • Surveyors • Planners • Scientists
5500 New Albany Road, Columbus, OH 43054
Phone: 614.775.4500 Toll Free: 888.775.3648
emht.com

DATE
AUGUST 2026

SCALE
Horiz: 1" = 20'
Vert: 1" = 5'

JOB NO.
2025-0015

SHEET
16/29

25-024-CIP

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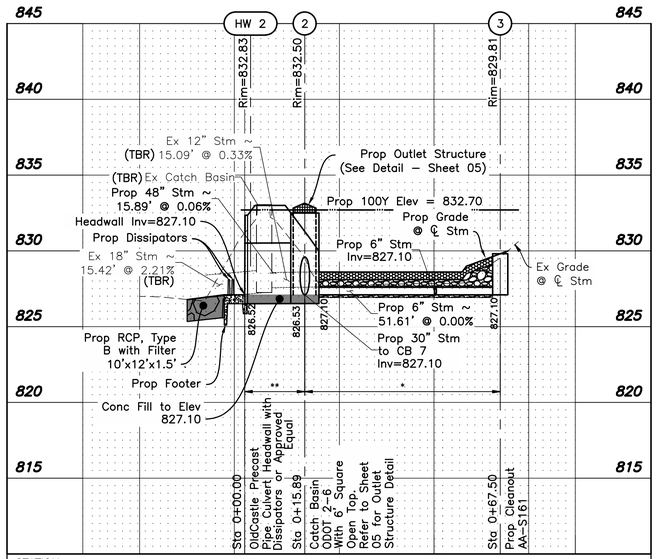
STRUCTURE COORDINATES

STRUCTURE #	NORTHING - PLAN	EASTING - PLAN	NORTHING - AS BUILT	EASTING - AS BUILT
2	774557.1558	1798031.6180		
3	774569.1395	1798081.8192		
7	774545.5082	1798035.9405		
HW 2	774553.1707	1798016.2396		

STORM SEWER TABLE

LINE	BEARING	LENGTH	SIZE
7–2	N13°25'33"W	8.67'	30"
2–HW 2	S75°28'19"W	15.89'	48"
3–2	S76°34'27"W	51.61'	6"

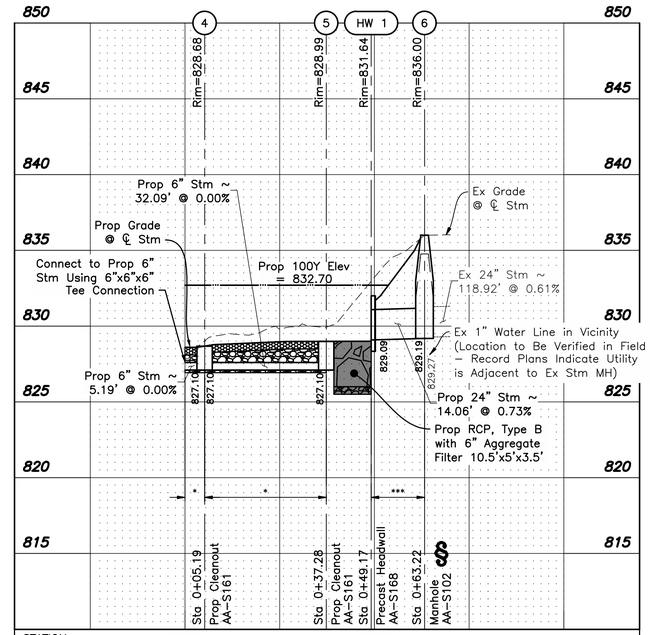


STATION	0+00	0+50
EX GRADE	831.18	827.84
FINAL GRADE	827.10	828.60
CUT	4.08	–0.76

WOODLANDS BASIN 2 UNDERDRAIN AND OUTLET

HORIZ 1 inch = 20 Feet (0, 10, 20, 40)

VERT 1 inch = 5 Feet (0, 2.5, 5, 10)



STATION	0+00	0+50
EX GRADE	827.84	833.22
FINAL GRADE	828.60	832.00
CUT	–0.76	1.22

WOODLANDS BASIN 2 INLET AND UNDERDRAIN

STRUCTURE COORDINATES

STRUCTURE #	NORTHING - PLAN	EASTING - PLAN	NORTHING - AS BUILT	EASTING - AS BUILT
4	774560.1170	1798066.3815		
5	774529.0366	1798074.3585		
6	774504.2450	1798082.0080		
HW 1	774517.6543	1798077.7915		

STORM SEWER TABLE

LINE	BEARING	LENGTH	SIZE
4–	N13°25'00"W	5.19'	6"
5–4	N14°23'41"W	32.09'	6"
6–HW 1	N17°27'20"W	14.06'	24"

NOTES:

All elevations on this plan are based on NAVD 1988 datum, unless otherwise noted.

* Refer to Underdrain Trench Detail on Sheet 05 for bedding and backfill.

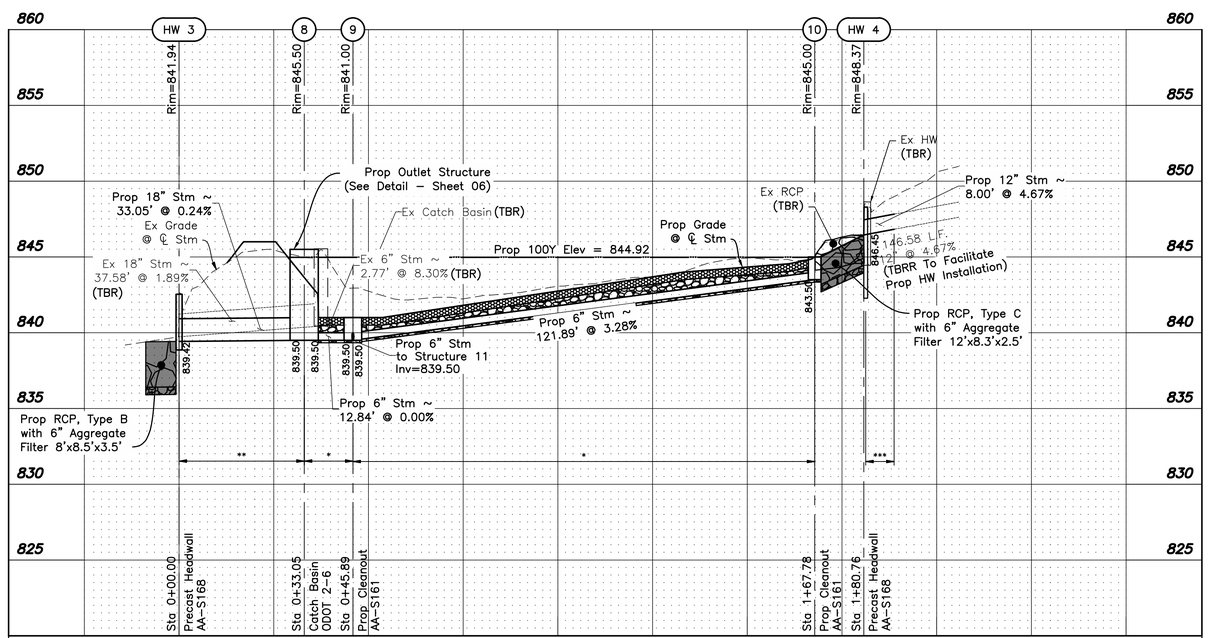
** Pipe bedding and backfill shall be CDF with anti–seep collar. Bedding and backfill limits shall follow City of Columbus Standard Drawing AA–S153 "Section with Backing" with the following changes: CDF backfill may be substituted for concrete and backfill shall extend above the detail limits to 12" above the crown of pipe. For Anti–Seep Collar, see Detail This Sheet.

*** Pipe bedding and backfill limits shall follow City of Columbus Standard Drawing AA–S151.

§ Contractor to verify invert and location of existing utility before precasting structure.

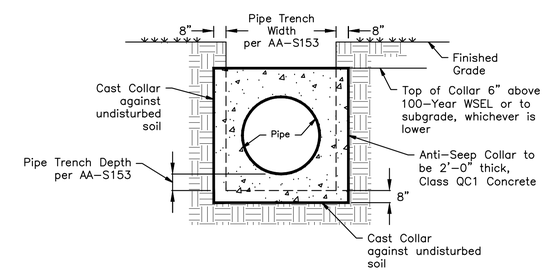
CITY OF DUBLIN STORM SEWER NOTES:

1. The minimum pipe size for private or public storm sewer systems is 12 inches unless authorized by the City Engineer.
   1.a. For all 6" pipes on this plan, refer to the Underdrain Trench Detail on Sheet 05 for pipe material.
2. Minimum requirements for public storm sewer pipe:
   2.a. Reinforced Concrete Pipe
      i. 12 inch – 15 inch: ASTM C76, Wall B, Class IV
      ii. 18 inch – 24 inch: ASTM C76, Wall B, Class III
      iii. 27 inch and larger: ASTM C76, Wall B, Class II
3. Gaskets shall be installed by the pipe manufacturer and covered with removable, protective wrap to ensure the gasket is free from debris. A joint lubricant available from the manufacturer shall be used on the gasket and bell during joint assembly.
4. Granular Backfill shall be Compacted Granular Material per Item 912 or Low Strength Mortar Backfill per Item 613, Type II.
5. All bedding material shall be in accordance with City of Columbus Standard Construction Drawing AA–S149, unless otherwise noted.
6. All storm water detention and retention areas and flood routing swales shall be constructed to finish grade and hydro–seeded and hydro–mulched according to Items 203 and 659 of the Standard Specifications, unless specified otherwise within this plan set.
7. Storm inlets and catch basins shall be channelized and have bicycle safe grates. Manhole lids shall include City of Dublin logo. All curb inlets and catch basin grates shall include engraved lettering per City of Dublin Standard Drawing STM–02: "Dump No Waste! Drains to Waterways".
8. Storm sewer outlets 18 inches and greater in diameter accessible from storm water management facilities or watercourses shall include safety grates per City of Dublin Standard Drawing STM–08.
9. Headwalls shall be required at all storm sewer inlets or outlets to and from storm water management facilities. Stone veneer and wall caps treatments shall be applied to all exposed concrete surfaces per City of Dublin Standard Drawing STM–03.



STATION	0+00	0+50	1+00	1+50	2+00
EX GRADE	842.00	842.74	843.07	844.92	850.53
FINAL GRADE		841.00	842.75	844.33	
CUT		1.74	0.32	0.59	

RIVERSIDE WOODS BASIN 1 UNDERDRAIN AND OUTLET



ANTI-SEEP COLLAR DETAIL

Not to Scale

STRUCTURE COORDINATES

STRUCTURE #	NORTHING - PLAN	EASTING - PLAN	NORTHING - AS BUILT	EASTING - AS BUILT
8	772646.4732	1798583.7443		
9	772636.1469	1798591.3735		
10	772537.6311	1798663.1411		
11	772625.1386	1798569.0787		
HW 3	772673.7189	1798565.0284		
HW 4	772537.8160	1798675.3030		

STORM SEWER TABLE

LINE	BEARING	LENGTH	SIZE
8–HW 3	N34°29'10"W	33.05'	18"
9–8	N36°27'27"W	12.84'	6"
10–9	N36°04'22"W	121.89'	6"
11–9	N63°43'18"E	24.86'	6"

REVISIONS

MARK	DATE	DESCRIPTION

CITY OF DUBLIN

CITY OF DUBLIN, FRANKLIN COUNTY, OHIO
PLANS
FOR
DUBLIN BASIN MAINTENANCE PROGRAM 2026
STORM PROFILES

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5500 New Albany Road, Columbus, OH 43054
Phone: 614.775.4500 Toll Free: 888.775.3648
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DATE: AUGUST 2026

SCALE: Horiz: 1" = 20' Vert: 1" = 5'

JOB NO. 2025-0015

SHEET 17/29

25-024-CIP

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SITE NARRATIVE

PLAN DESIGNER: EMH&T Inc.
Alex Jensen, PE, CFM
5500 New Albany Road
Columbus, Ohio 43054
Tel: (614) 775–4500
Fax: (614) 775–4800

OWNER: City of Dublin
6555 Shier Rings Road
Dublin, Ohio 43016
Tel: (614) 410–4740

PROJECT DESCRIPTION: The project includes sediment removal, clearing and grubbing, installation of underdrains and new outlet structures, and regrading of the existing basin extents and spillways for both the Woodlands Basin 2 and Riverside Woods Basin 1.

EXISTING SITE CONDITIONS: Pre–development conditions of the sites include overgrowth of woody vegetation and sediment accumulation within the extents of the existing basins.

RECEIVING STREAM: Unnamed Tributaries to the Scioto River.

ADJACENT AREAS: The Woodlands Basin 2 site is bordered by Riverside Drive to the west, Tonti Drive to the south, and Red Bay Court to the east. The Riverside Woods Basin 1 site is bordered by Riverside Drive to the west, Yellow Wood Drive to the south, and Hard Road to the north.

DISTURBED AREA: The total disturbed area is 1.00 ± acres. 0.40 acres will be disturbed on the Woodlands Basin 2 site and 0.60 acres will be disturbed on the Riverside Woods Basin 1 site.

EROSION AND SEDIMENT MEASURES: Erosion and sediment control for the project will be managed in 1 phase(s).

MAINTENANCE: Once construction has been completed, all components, including seeding and planting materials, shall be inspected weekly by the Contractor and after significant rainfalls for a period of 12 months. Any damaged or impaired items are to be replaced or repaired immediately as necessary.

CONSTRUCTION SEQUENCE: CONSTRUCTION SEQUENCING

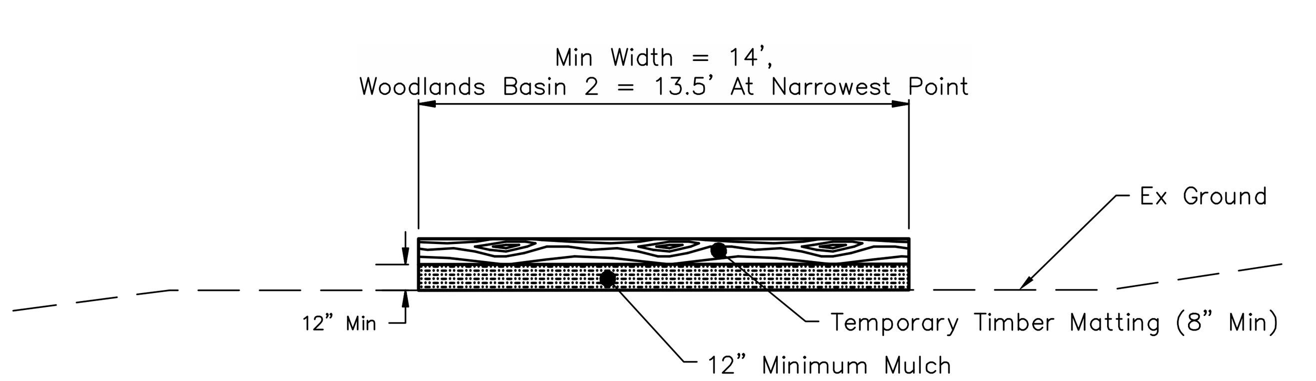
1. Contractor to establish construction entrance and staging area. Ensure the open public roadways are kept clean of any tracked sediment
2. Install inlet protection on any existing storm sewer inlets and install the construction/tree protection perimeter controls and timber/structural matting as shown on the plans.
3. If basin is holding water, begin dewatering the basin by pumping down the water from the surface. Clean water can be directed to the existing channel. If discharge is muddy or expected to become muddy, ensure the dewatering filter bag is utilized.
4. Install compost filter sock along the perimeter of the site and at the basin outlet structure. Commence with clearing and grubbing.
5. Remove vegetation and sediment from the basin and haul offsite.
6. Grade basin and install the proposed outlet structure, underdrain, storm sewer, headwall, and rock channel protection.
7. Once grading work is completed, permanently stabilize the disturbed areas with erosion control matting and seeding as directed.
8. Repair sidewalk, curb, and storm sewer inlet if damaged.
9. Remove perimeter controls and timber matting. Fine grade and permanently stabilize the remaining disturbed areas.
10. Once permanent vegetation is established, remove the remaining erosion and sediment controls.

Note:
The construction sequence provided above is for NPDES permit coverage compliance only. The Contractor will be responsible for determining their own project schedule and shall not solely rely on the stated sequence of construction for bidding.

SCHEDULE: The Contractor shall provide a schedule of operations to the Owner. Sedimentation and erosion control features shall be placed in accordance with this schedule.

OHIO EPA NPDES FACILITY PERMIT NUMBER: 4GC11366*AG

SITE CONTACT: Michael Hendershot, PE
City of Dublin
(614) 410–4657



CROSS SECTION VIEW

1. Place timber mats along access route to project area to protect existing ground and/or critical root zones during construction.
2. Following construction, matting shall be removed and existing ground shall be restored to existing conditions.

DETAIL
TEMPORARY TIMBER MATTING — **NOT TO SCALE**

SEDIMENT AND EROSION CONTROL NOTES

MAINTENANCE:
It is the Contractor's responsibility to maintain the sedimentation and erosion control features on this project. Any sediment or debris which has reduced the efficiency of a control shall be removed immediately. Should a structure or feature become damaged, the Contractor shall repair or replace at no additional cost to the Owner.

INSPECTIONS:
The NPDES permit holder along with the Contractor 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 per every seven calendar days and within 24 hours of a 0.5" storm event or greater that occurs over a 24 hour period. Records of the site inspections shall be kept and made available to jurisdictional agencies if requested.

Any sediment or debris which has reduced the efficiency of structure shall be removed immediately. Should a structure or feature become damaged, the Contractor shall repair or replace it at no additional cost to the City of Dublin.

CONTRACTORS RESPONSIBILITIES:
Details have been provided on the plans in an effort to help the Contractor provide erosion and sedimentation control. The details shown on the plan shall be considered a minimum. Additional or alternate details may be found in the Ohio EPA Manual "Rainwater and Land Development". The Contractor shall be solely responsible for providing necessary and adequate measures for proper control of erosion and sediment runoff from the site along with proper maintenance and inspection in compliance with the NPDES General Permit for Storm Discharges Associated with Construction Activity.

The City shall file a Notice of Intent as per NPDES requirements including any offsite dumping or borrow areas. The Contractor is to submit a co–permittee Notice of Intent to obtain coverage under the NPDES permit coverage issued to the City. It is the Contractor's responsibility to notify his subcontractors of the OEPA requirements. Furnish copies of the documents to the City of Dublin.

The Construction Sequence shown on this plan is provided to satisfy Ohio EPA SWPPP requirements and for the Contractor's convenience only. The Contractor is required to develop and submit his own construction sequence (schedule of operations) to the Owner. The schedule should include a sequence of the placement of the sedimentation and erosion control measures that provides for continual protection of the site throughout the earth moving activities.

Prior to construction operations in a particular area, all sedimentation and erosion control features shall be in place. Field adjustments with respect to locations and dimensions may be made by the Engineer, City of Dublin, and the Ohio EPA.

It may become necessary to remove portions of sedimentation controls during construction to facilitate the grading operations in certain areas. However, the controls shall be replaced upon grading or during any inclement weather.

The Contractor shall be responsible to have the current Storm Water Pollution Prevention Plan immediately available or posted on site.

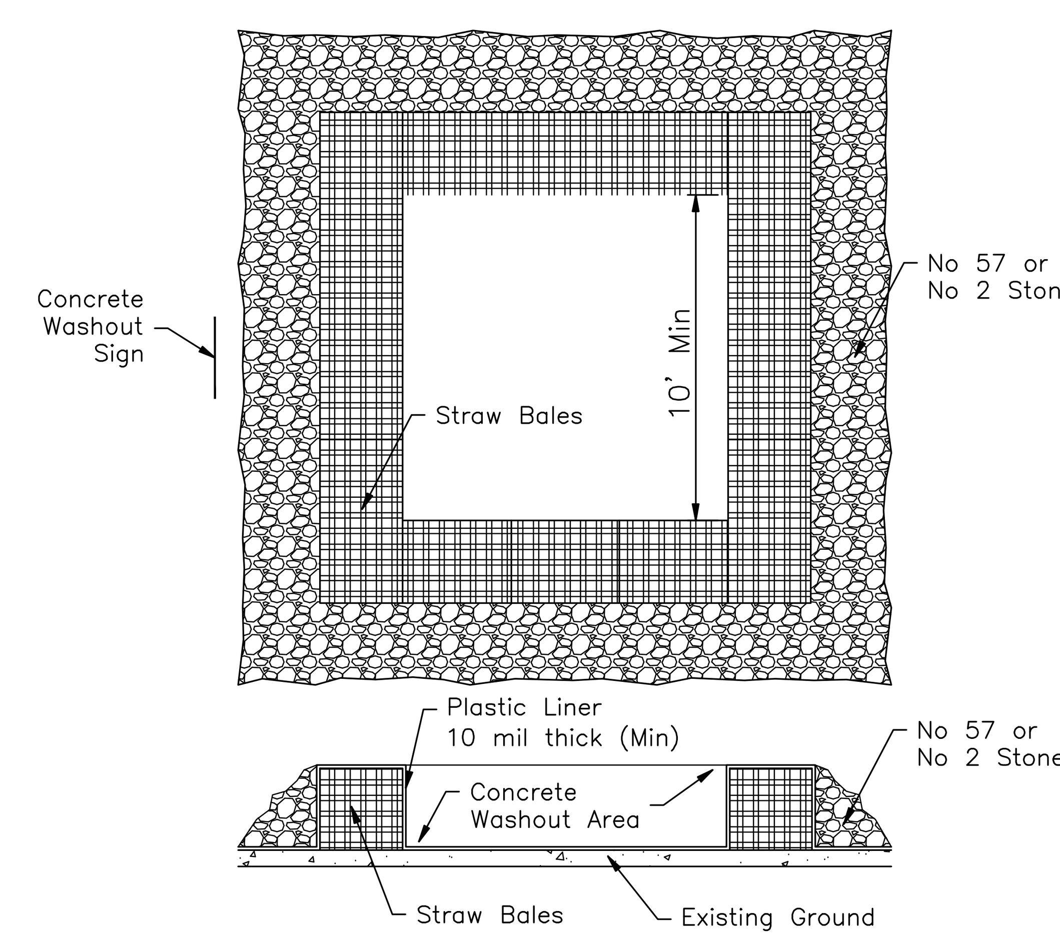
The contractor is responsible for ensuring that offsite soil borrow and export areas have Ohio EPA NPDES permit coverage and that appropriate erosion and sediment controls are properly installed and maintained.

Street cleaning (on an as–needed basis) is required through the duration of this construction project. This includes sweeping, power cleaning and (if necessary) manual removal of dirt or mud in the street gutters.

The Contractor shall be responsible to ensure that no solid or liquid waste is discharged into storm water runoff. Untreated sediment–laden runoff shall not flow off of site without being directed through a control practice.

Direct discharge of sediment laden water to the City's sewer system or a receiving stream is a violation of Ohio EPA and City of Dublin regulations; the Contractor will be held liable for the violation and subsequent fines.

This plan must be posted on–site. A copy of the SWPPP plan and the approved Ohio EPA Stormwater Permit (with the site–specific NOI number) shall be kept on–site at all times.



Notes:
1. Concrete trucks shall utilize areas to washout trucks. Accumulated concrete shall be removed from the site and disposed of properly.
2. As an alternative, contractor shall use a roll off box with liner.

DETAIL
CONCRETE WASHOUT DETAIL — **Not to Scale**

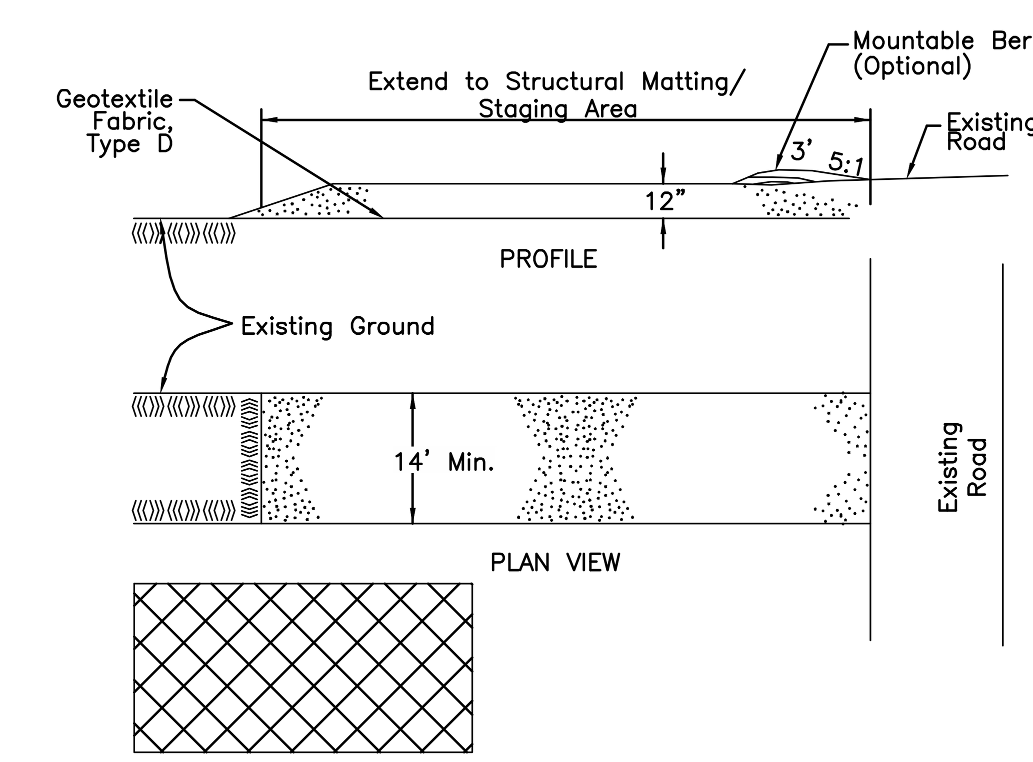
All Erosion & Sediment Control practices are subject to Field Modification at the direction of the City of Dublin and/or Ohio EPA.

TABLE 1: PERMANENT STABILIZATION

AREA REQUIRING PERMANENT STABILIZATION	TIME FRAME TO APPLY EROSION CONTROL
Any areas that will lie dorment 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 areas at final grade	Within seven days of reaching final grade within that area

TABLE 2: TEMPORARY STABILIZATION

AREA REQUIRING PERMANENT STABILIZATION	TIME FRAME TO APPLY EROSION CONTROL
Any 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 fourteen days
For 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 the onset of winter weather



A: Contractor Laydown Area (dumpster, vehicle fueling) location to be determined in the field by Contractor.
1. Stone Size – use 2" stone, or reclaimed or recycled concrete equivalent. Item 304 or other finely graded material shall not be added to the stone.
   1.1. Where noted on plans, only timber mat or approved equal may be used for site entrance material.
2. Length – Extend to Timber/Structural Matting or Staging Area
3. Thickness – Twelve (12) inches.
4. Width – 14' min.
5. Geotextile Filter, Type D – Will be placed over the entire area prior to placing of stone.
6. Surface Water – All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a mountable berm with 5:1 slopes will be permitted.
7. Maintenance – The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public right–of–way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanout of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public rights–of–way must be removed immediately.
8. Washing – Wheels shall be cleaned to remove sediment prior to entrance onto public right–of–ways. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
9. Periodic inspection and needed maintenance shall be provided after each rain. Contractor shall utilize a vacuum sweeper equipped with a brush when directed by the City Engineer shall sediment tracking onto public streets become an issue.

DETAIL
STABILIZED CONSTRUCTION ENTRANCE — **Not to Scale**

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CITY OF DUBLIN

CITY OF DUBLIN, FRANKLIN COUNTY, OHIO
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DUBLIN BASIN MAINTENANCE PROGRAM 2026
EROSION & SEDIMENT CONTROL NOTES & DETAILS

EMH&T
Evans, Mechwart, Hambleton & Tilton, Inc.
Engineers • Surveyors • Planners • Scientists
5500 New Albany Road, Columbus, OH 43054
Phone: 614.775.4500 Toll Free: 888.775.3648
emht.com

DATE: AUGUST 2026

SCALE: NONE

JOB NO.: 2025-0015

SHEET: 18/29

25-024-CIP

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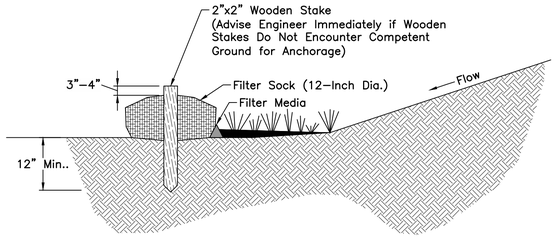
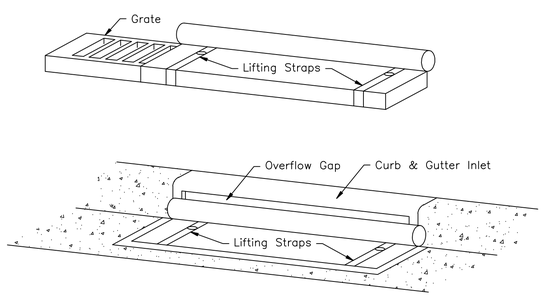


1. Materials – compost used for filter socks shall be weed, pathogen and insect free and free of any refuse, contaminants or other materials toxic to plant growth. they shall be derived from a well–decomposed source of organic matter and consist of a particles ranging from 3/8" to 2".
2. Filter socks shall be 3 or 5 mil continuous, tubular, HDPE 3/8" knitted mesh netting material, filled with compost passing the above specifications for compost products.

Installation:
1. Filter socks will be placed on a level line across slopes, generally parallel to the base of the slope or other affected area. on slopes approaching 2:1, additional socks shall be provided at the top and as needed midslope.
2. Upon installation of the filter sock, additional filter media (matching the media inside of the sock) shall be placed on the upland side of the filter sock. filter media shall extend halfway up the sock and slope at a maximum of 45 degrees to existing ground elevation.
3. Filter socks intended to be left as a permanent filter or part of the natural landscape, shall be seeded at the time of installation for establishment of permanent vegetation.
4. Filter socks are not to be used in concentrated flow situations or in runoff channels.

Maintenance:
1. Routinely inspect filter socks after each significant rain, maintaining filter socks in a functional condition at all times.
2. Remove sediments collected at the base of the filter socks when they reach 1/3 of the exposed height of the practice.
3. Where the filter sock deteriorates or fails, it will be repaired or replaced with a more effective alternative.
4. Removal – filter socks will be dispersed on site when no longer required in such as way as to facilitate and not obstruct seedings.

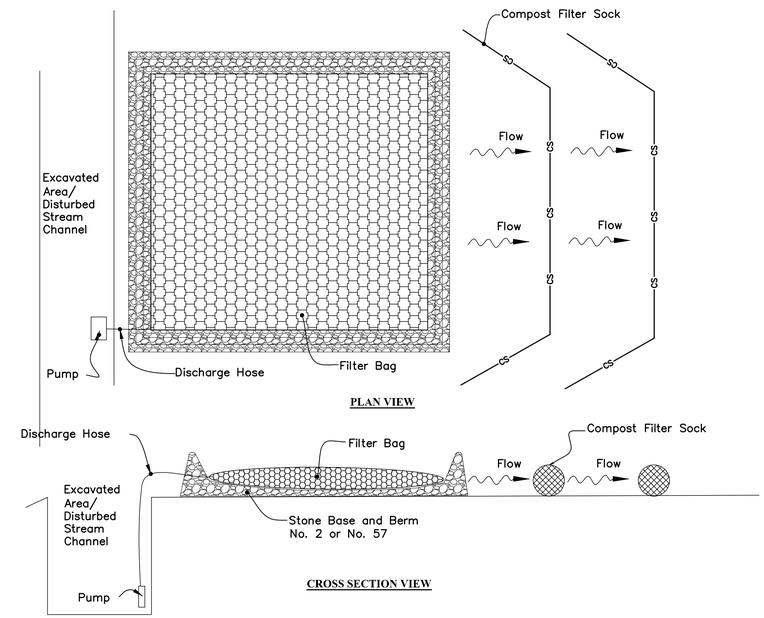
DETAIL
COMPOST FILTER SOCK DETAIL — **Not to Scale**



Installation:
1. Stand grate on end. Slide the Dandy Curb Bag on top of the grate. Pull all excess down. Lay unit on its side. Carefully tuck flap in. Press Velcro strips together. Install the unit making sure front edge of grate is inserted in frame first then lower back into place. Press Velcro dots together which are located under lifting straps. This insures straps remain flush with gutter.

Maintenance:
1. With a stiff bristle broom sweep silt and other debris off surface after each event.

DETAIL
CURB INLET SEDIMENT PROTECTION — **Not to Scale**



Installation:
The Contractor shall pump muddy water encountered within excavated areas that are not tributary to sediment basins into a filter fabric bag. The bag shall be placed within a level undisturbed area as far away from the stormwater outfall as possible. The bag shall be placed on top of a aggregate pad. Additionally, a perimeter aggregate berm shall be constructed around the bag. Perimeter controls such as compost filter socks shall be utilized along the downstream side of the bag. The perimeter controls shall be installed to ensure that the water flowing out of the bag does not flow around the ends of the controls. Upon completion, the bag shall be removed to an area away from the stormwater outfall and opened. The accumulated sediment shall be spread out to allow to dry and stabilized with vegetation. Filter bag shall be sized based upon the pumping rate into the bag.

Maintenace:
The filter bag shall be replaced when the bag is half filled with sediment.

The Contractor shall contact the Owner/Engineer for consultative services if dewatering activities overwhelm the filter bag and perimeter controls.

DETAIL
DEWATERING FILTER BAG — **Not to Scale**

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AS NOTED

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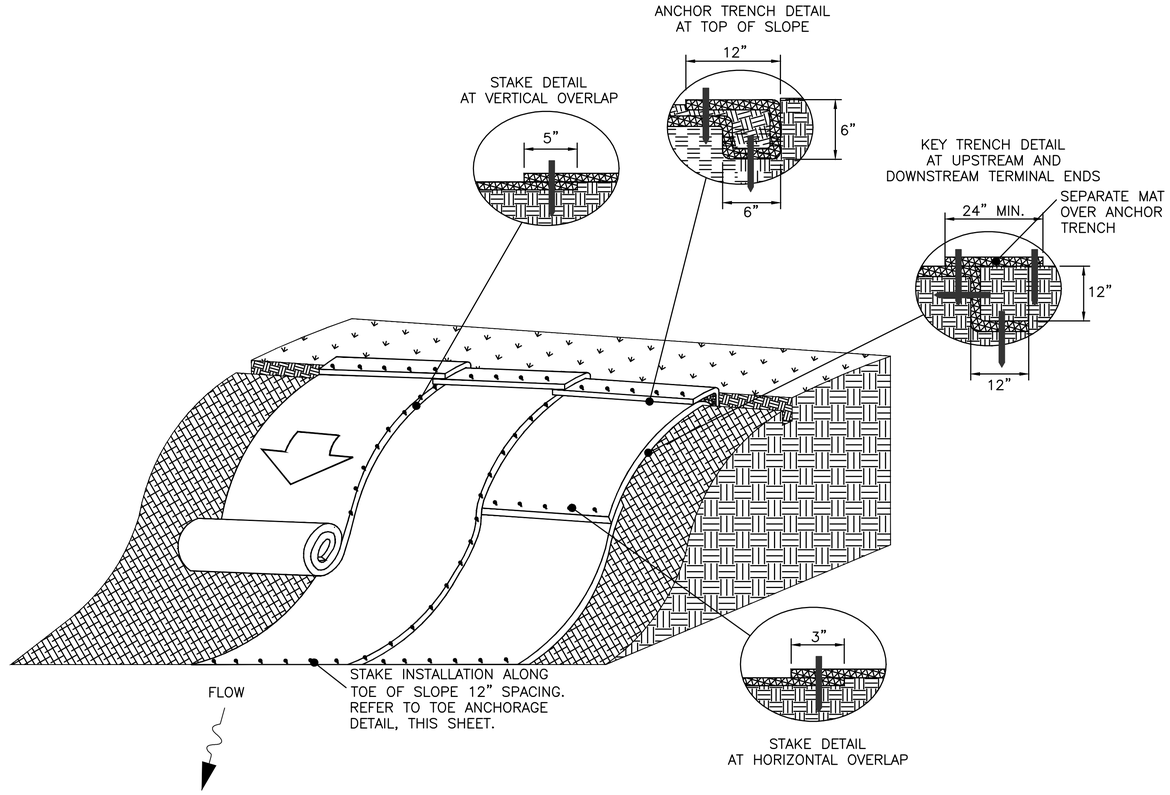
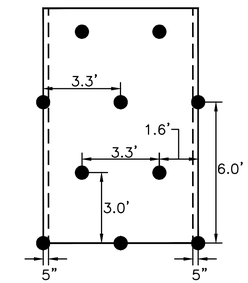
Item 670, Slope Erosion Protection Mat, As Per Plan and Item 670, Turf Reinforcement Mat, As Per Plan Installation Notes:

1. Install topsoil to final grade, as shown on the plans.
2. Install seed mix with fertilizer.
3. Begin at the toe of slope. Unroll mat parallel to the basin. Ensure mat is flat on the ground. Anchor matting in toe trench with 2x2x12 inch wood stakes or 2x2x12 wedges. 12 inch wire "U" staples may be substituted for wood stakes. Refer to Detail, This Sheet.
4. Unroll matting over topsoil and affix firmly to the slope with stakes placed in appropriate locations as shown in the stake pattern guide.
5. Stake through the matting at the toe of slope, approximately 12 inches apart across entire mat length.
6. Consecutive sections of matting spliced upstream to downstream must be end–over–end (shingle style) with an approximate 3 inch overlap. Stake through overlapped area, approximately 12 inches apart across entire mat width.
7. At the upstream and downstream terminal ends of the matting, provide an anchor trench to key matting into the soil. Provide a 12 inch wide x 24 inch deep trench with a row of stakes approximately 12 inches apart. Backfill and compact the trench after staking. Apply seed and fertilizer. Install separate minimum 24 inch wide mat over anchor trench, secure mat with stakes spaced 24 inches apart along both sides of the trench.
8. The edges of parallel sections of matting must be staked with an approximately 5 inch overlap. Overlap the mat section from higher on the slope over the mat positioned lower on the slope. Space stakes 12 inches apart along the mat overlap.
9. Anchor the matting along the top of slope in a 6 inch deep x 6 inch wide trench with approximately 12 inches of matting extended beyond the upslope portion of the trench. Anchor the matting with a row of stakes approximately 12 inches apart in the bottom of the trench. Backfill and compact the trench after stapling. Apply seed and fertilizer to the compacted soil and fold the remaining 12 inch portion of matting back over the seed and compacted soil. Secure matting over compacted soil with a row of stakes spaced approximately 12 inches apart across the length of the matting.
10. Product Standard: Details and Notes for temporary matting products are based on the North American Green C125BN. Substitute Biodegradable products that provide equal erosion protection will be considered as outlined in the specifications for Item 670, Slope Erosion Protection Mat, As Per Plan.



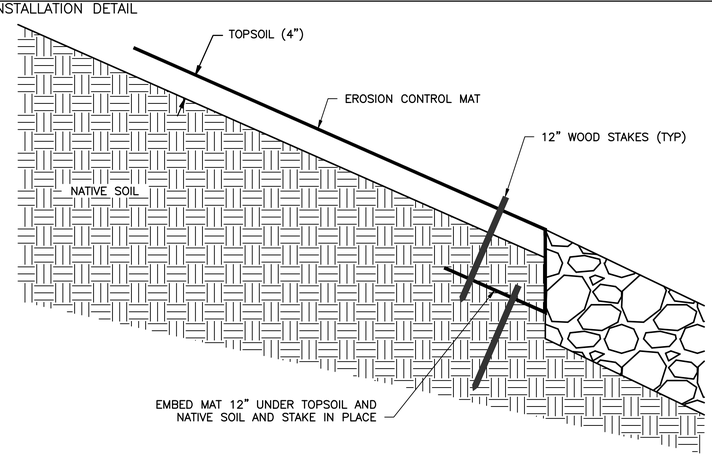


1.15 STAKES PER SYD

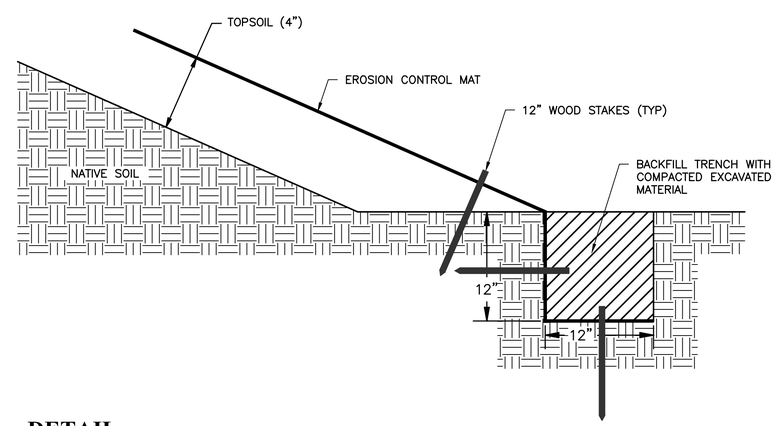
EROSION CONTROL MAT
STAKE PATTERN GUIDE DETAIL

*CONTRACTOR TO ADD ADDITIONAL STAKES TO AVOID BUOYANCY IN DETENTION AREA IF NEEDED

DETAIL
TEMPORARY EROSION CONTROL MAT – VERTICAL INSTALLATION DETAIL — Not to Scale



DETAIL
SLOPE EROSION PROTECTION MAT TOE ANCHORAGE DETAIL AT RIPRAP — Not to Scale



DETAIL
EROSION PROTECTION MAT TOE ANCHORAGE DETAIL IN SOIL — Not to Scale

REVISIONS

MARK	DATE	DESCRIPTION

CITY OF DUBLIN

CITY OF DUBLIN, FRANKLIN COUNTY, OHIO
PLANS
FOR
DUBLIN BASIN MAINTENANCE PROGRAM 2026
EROSION CONTROL MATTING VERTICAL DETAILS

EMH&T
Evans, Mechwart, Hambleton & Tilton, Inc.
Engineers • Surveyors • Planners • Scientists
5500 New Albany Road, Columbus, OH 43054
Phone: 614.775.4500 Toll Free: 888.775.3648
emht.com

DATE
AUGUST 2026

SCALE
NONE

JOB NO.
2025-0015

SHEET
20/29

25-024-CIP

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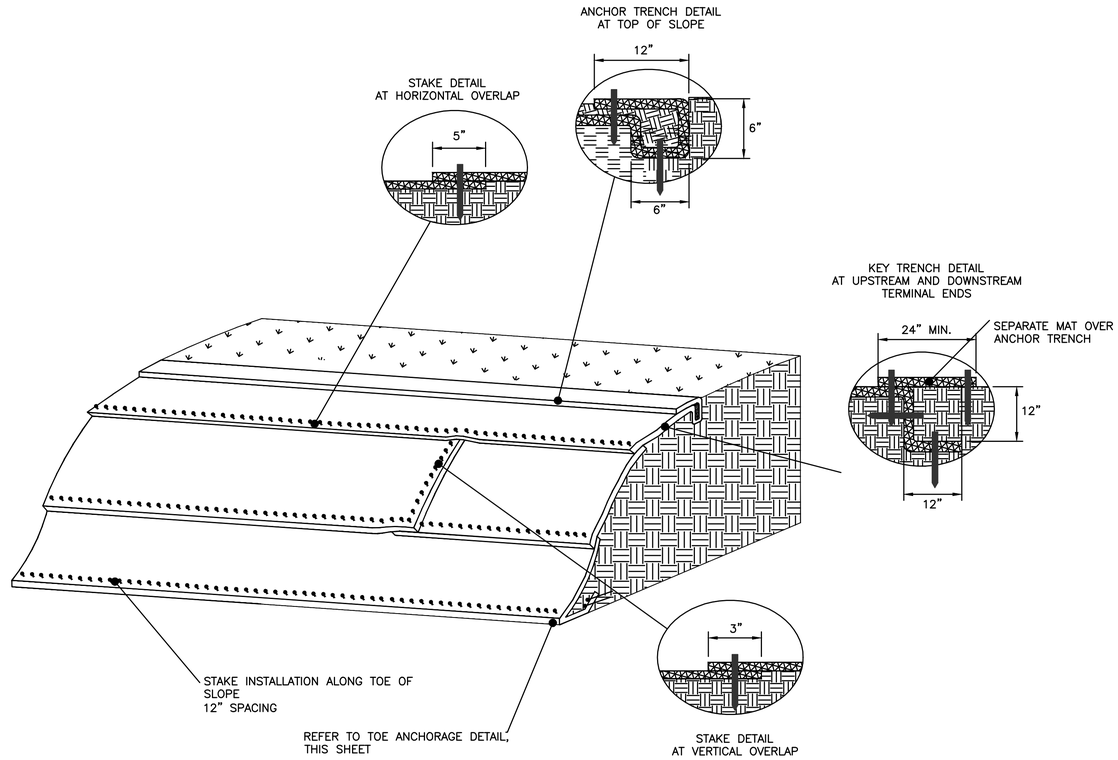
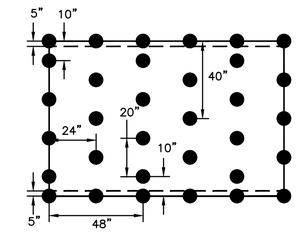
Item 670, Slope Erosion Protection Mat, As Per Plan Installation Notes:

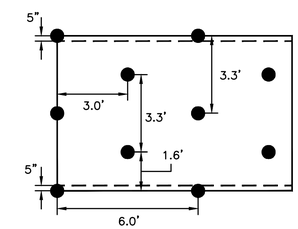
1. Install topsoil to final grade, as shown on the plans.
2. Install seed mix with fertilizer.
3. Begin at the toe of slope. Unroll mat parallel to the basin. Ensure mat is flat on the ground. Anchor matting in toe trench with 2x2x12 inch wood stakes or 2x2x12 wedges. 12 inch wire "U" staples may be substituted for wood stakes. Refer to Detail, This Sheet.
4. Unroll matting over topsoil and affix firmly to the slope with stakes placed in appropriate locations as shown in the stake pattern guide.
5. Stake through the matting at the toe of slope, approximately 12 inches apart across entire mat length.
6. Consecutive sections of matting spliced upstream to downstream must be end–over–end (shingle style) with an approximate 3 inch overlap. Stake through overlapped area, approximately 12 inches apart across entire mat width.
7. At the upstream and downstream terminal ends of the matting, provide an anchor trench to key matting into the soil. Provide a 12 inch wide x 24 inch deep trench with a row of stakes approximately 12 inches apart. Backfill and compact the trench after staking. Apply seed and fertilizer. Install separate minimum 24 inch wide mat over anchor trench, secure mat with stakes spaced 24 inches apart along both sides of the trench.
8. The edges of parallel sections of matting must be staked with an approximately 5 inch overlap. Overlap the mat section from higher on the slope over the mat positioned lower on the slope. Space stakes 12 inches apart along the mat overlap.
9. Anchor the matting along the top of slope in a 6 inch deep x 6 inch wide trench with approximately 12 inches of matting extended beyond the upslope portion of the trench. Anchor the matting with a row of stakes approximately 12 inches apart in the bottom of the trench. Backfill and compact the trench after stapling. Apply seed and fertilizer to the compacted soil and fold the remaining 12 inch portion of matting back over the seed and compacted soil. Secure matting over compacted soil with a row of stakes spaced approximately 12 inches apart across the length of the matting.
10. Product Standard: Details and Notes for temporary matting products are based on the North American Green C125BN. Substitute Biodegradable products that provide equal erosion protection will be considered as outlined in the specifications for Item 670, Slope Erosion Protection Mat, As Per Plan.





3.75 STAKES PER SYD

STREAMBANK STAKE PATTERN GUIDE
DETAIL – IN CHANNEL

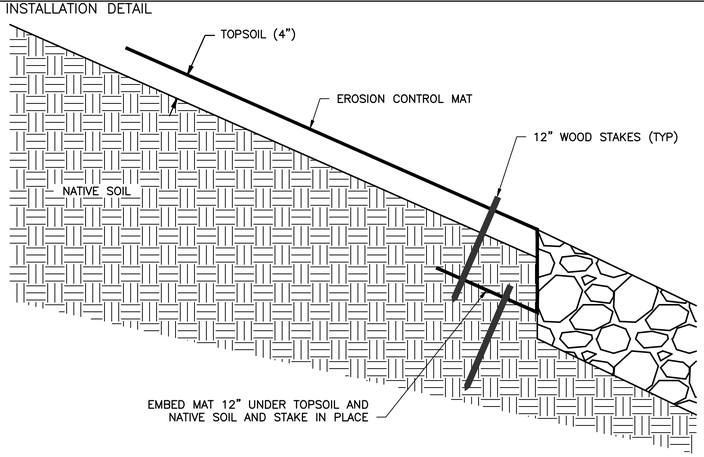


1.15 STAKES PER SYD

STREAMBANK STAKE PATTERN GUIDE
DETAIL – IN FLOODPLAIN

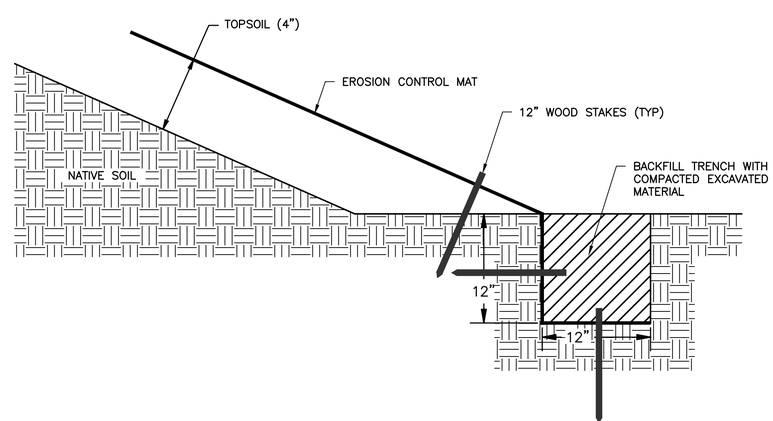
DETAIL
TEMPORARY EROSION CONTROL MAT – HORIZONTAL INSTALLATION DETAIL

Not to Scale



DETAIL
EROSION PROTECTION MAT TOE ANCHORAGE DETAIL AT RIPRAP

Not to Scale



DETAIL
EROSION PROTECTION MAT TOE ANCHORAGE DETAIL IN SOIL

Not to Scale

REVISIONS

MARK	DATE	DESCRIPTION

CITY OF DUBLIN

CITY OF DUBLIN, FRANKLIN COUNTY, OHIO
PLANS
FOR
DUBLIN BASIN MAINTENANCE PROGRAM 2026
EROSION CONTROL MATTING HORIZONTAL DETAILS

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5500 New Albany Road, Columbus, OH 43054
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emht.com

DATE
AUGUST 2026

SCALE
NONE

JOB NO.
2025-0015

SHEET
21/29

25-024-CIP

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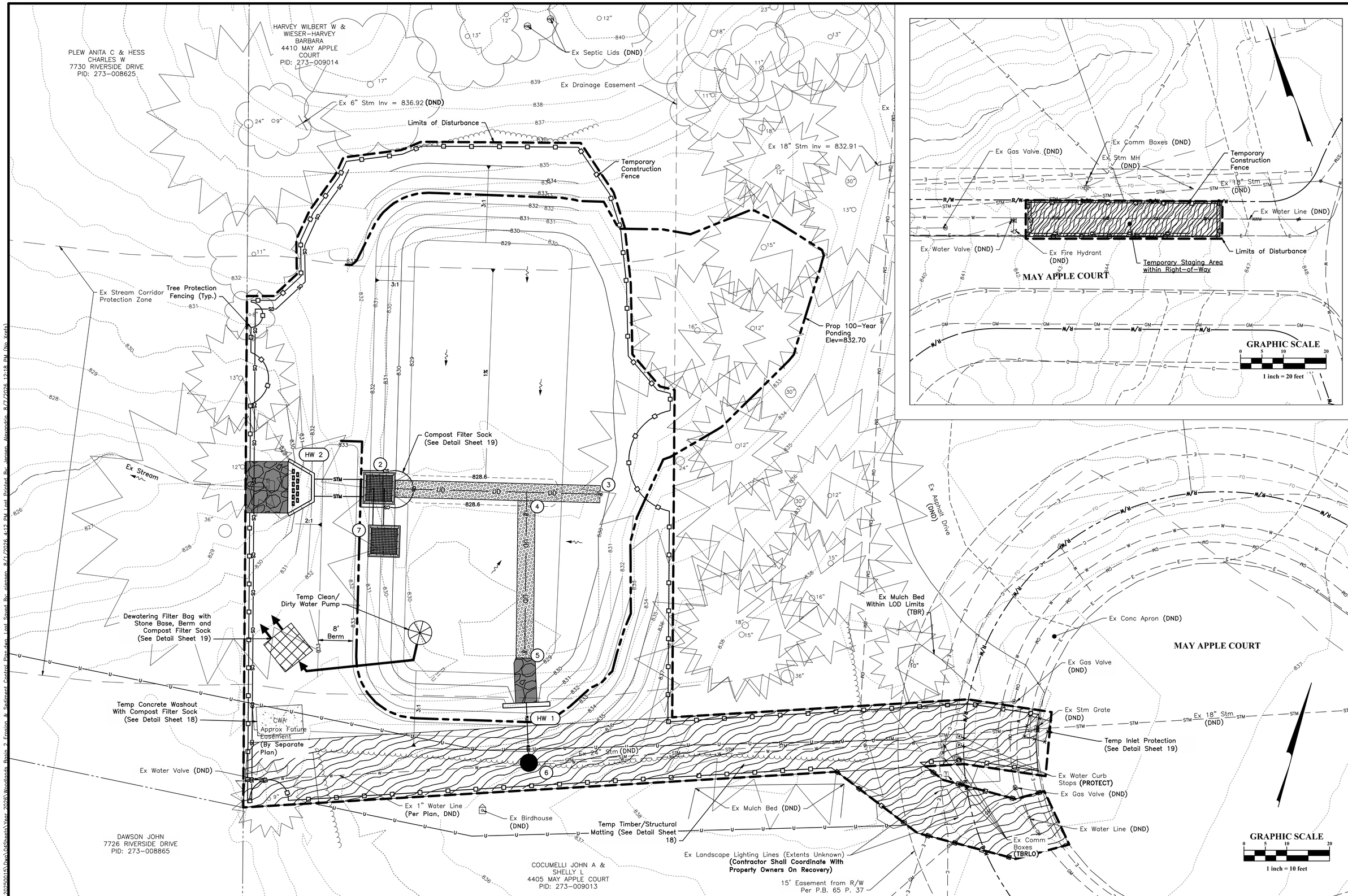

REVISIONS

MARK	DATE	DESCRIPTION

CITY OF DUBLIN

CITY OF DUBLIN, FRANKLIN COUNTY, OHIO
PLANS
FOR
DUBLIN BASIN MAINTENANCE PROGRAM 2026
WOODLANDS BASIN 2 EROSION & SEDIMENT CONTROL PLAN

EMHT
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emht.com

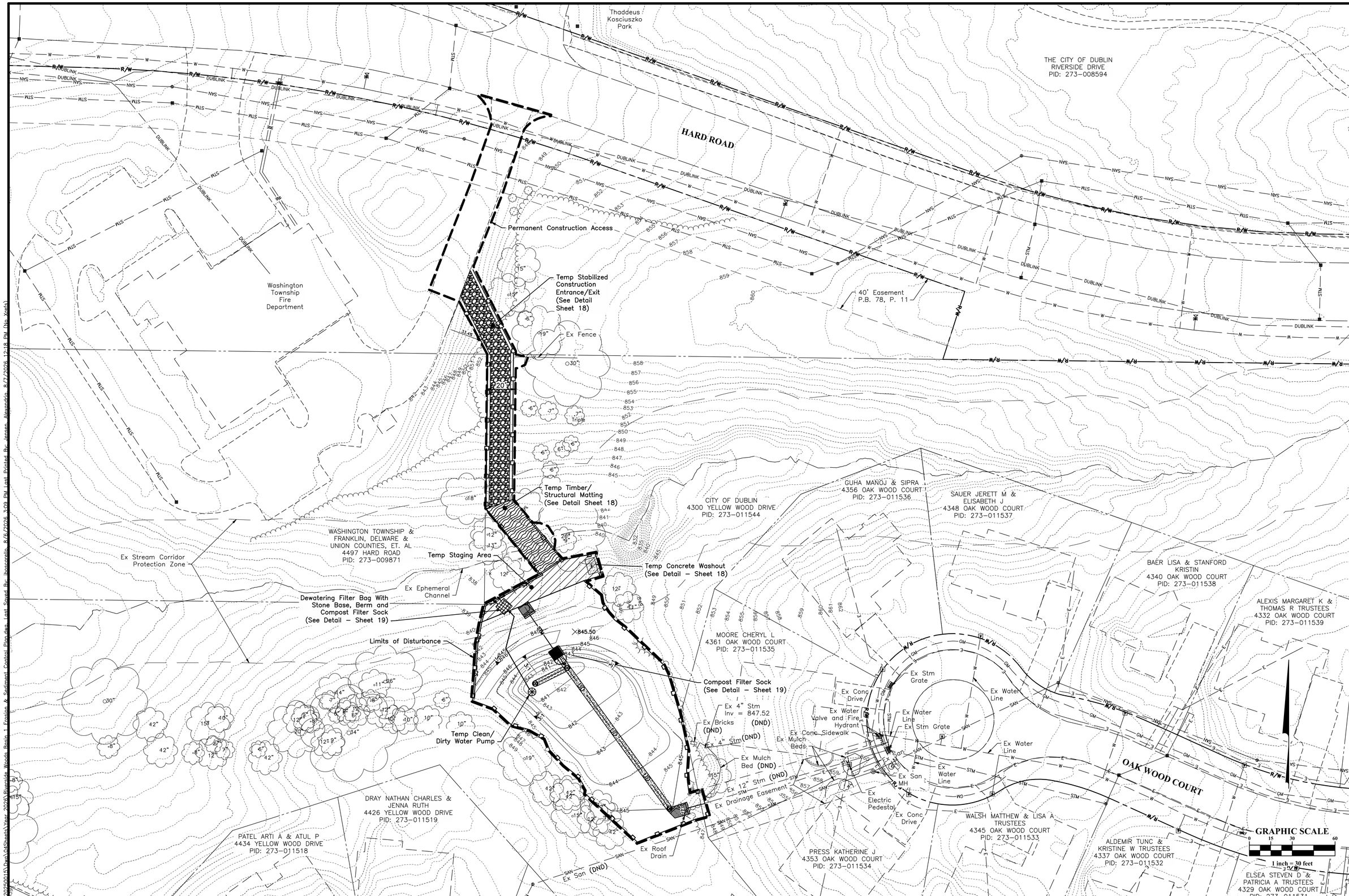
DATE
AUGUST 2026

SCALE
AS NOTED

JOB NO.
2025-0015

SHEET
22/29

25-024-CIP



REVISIONS

MARK	DATE	DESCRIPTION

CITY OF DUBLIN

CITY OF DUBLIN, FRANKLIN COUNTY, OHIO
PLANS
FOR
DUBLIN BASIN MAINTENANCE PROGRAM 2026
RIVERSIDE WOODS BASIN 1 EROSION & SEDIMENT CONTROL PLAN

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Evans, Mechwart, Hambleton & Tilton, Inc.
Engineers • Surveyors • Planners • Scientists
5500 New Albany Road, Columbus, OH 43054
Phone: 614.775.4500 Toll Free: 888.775.3648
emht.com

DATE
AUGUST 2026

SCALE
1" = 30'

JOB NO.
2025-0015

SHEET
23/29

25-024-CIP

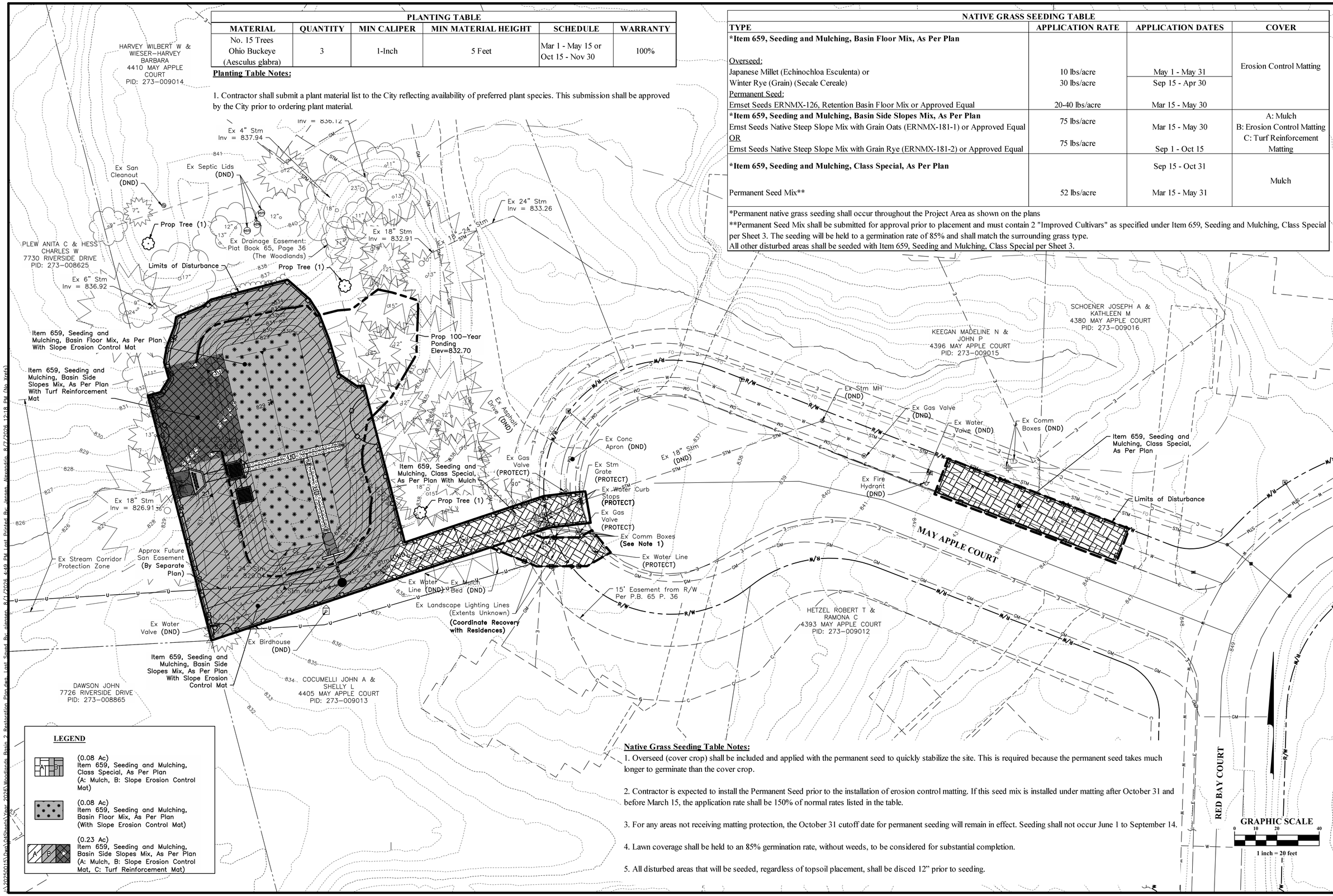
PLANTING TABLE					
MATERIAL	QUANTITY	MIN CALIPER	MIN MATERIAL HEIGHT	SCHEDULE	WARRANTY
No. 15 Trees Ohio Buckeye (Aesculus glabra)	3	1-Inch	5 Feet	Mar 1 - May 15 or Oct 15 - Nov 30	100%

Planting Table Notes:

1. Contractor shall submit a plant material list to the City reflecting availability of preferred plant species. This submission shall be approved by the City prior to ordering plant material.

NATIVE GRASS SEEDING TABLE			
TYPE	APPLICATION RATE	APPLICATION DATES	COVER
***Item 659, Seeding and Mulching, Basin Floor Mix, As Per Plan**			Erosion Control Matting
Overseed:			
Japanese Millet (Echinochloa Esculenta) or	10 lbs/acre	May 1 - May 31	
Winter Rye (Grain) (Secale Cereale)	30 lbs/acre	Sep 15 - Apr 30	
Permanent Seed:			
Ernset Seeds ERNMX-126, Retention Basin Floor Mix or Approved Equal	20-40 lbs/acre	Mar 15 - May 30	
***Item 659, Seeding and Mulching, Basin Side Slopes Mix, As Per Plan**			A: Mulch B: Erosion Control Matting C: Turf Reinforcement Matting
Ernst Seeds Native Steep Slope Mix with Grain Oats (ERNMX-181-1) or Approved Equal	75 lbs/acre	Mar 15 - May 30	
OR			
Ernst Seeds Native Steep Slope Mix with Grain Rye (ERNMX-181-2) or Approved Equal	75 lbs/acre	Sep 1 - Oct 15	
***Item 659, Seeding and Mulching, Class Special, As Per Plan**		Sep 15 - Oct 31	Mulch
Permanent Seed Mix**	52 lbs/acre	Mar 15 - May 31	

*Permanent native grass seeding shall occur throughout the Project Area as shown on the plans
**Permanent Seed Mix shall be submitted for approval prior to placement and must contain 2 "Improved Cultivars" as specified under Item 659, Seeding and Mulching, Class Special per Sheet 3. The seeding will be held to a germination rate of 85% and shall match the surrounding grass type.
All other disturbed areas shall be seeded with Item 659, Seeding and Mulching, Class Special per Sheet 3.



Native Grass Seeding Table Notes:

1. Overseed (cover crop) shall be included and applied with the permanent seed to quickly stabilize the site. This is required because the permanent seed takes much longer to germinate than the cover crop.

2. Contractor is expected to install the Permanent Seed prior to the installation of erosion control matting. If this seed mix is installed under matting after October 31 and before March 15, the application rate shall be 150% of normal rates listed in the table.

3. For any areas not receiving matting protection, the October 31 cutoff date for permanent seeding will remain in effect. Seeding shall not occur June 1 to September 14.

4. Lawn coverage shall be held to an 85% germination rate, without weeds, to be considered for substantial completion.

5. All disturbed areas that will be seeded, regardless of topsoil placement, shall be disced 12" prior to seeding.

REVISIONS

MARK	DATE	DESCRIPTION

CITY OF DUBLIN

CITY OF DUBLIN, FRANKLIN COUNTY, OHIO
PLANS
FOR
DUBLIN BASIN MAINTENANCE PROGRAM 2026
WOODLANDS BASIN 2 RESTORATION PLAN

EMHT
Evans, Mechwart, Hambleton & Tilton, Inc.
Engineers • Surveyors • Planners • Scientists
5500 New Albany Road, Columbus, OH 43054
Phone: 614.775.4500 Toll Free: 888.775.3648
emht.com

DATE
AUGUST 2026

SCALE
1" = 20'

JOB NO.
2025-0015

SHEET
24/29

25-024-CIP

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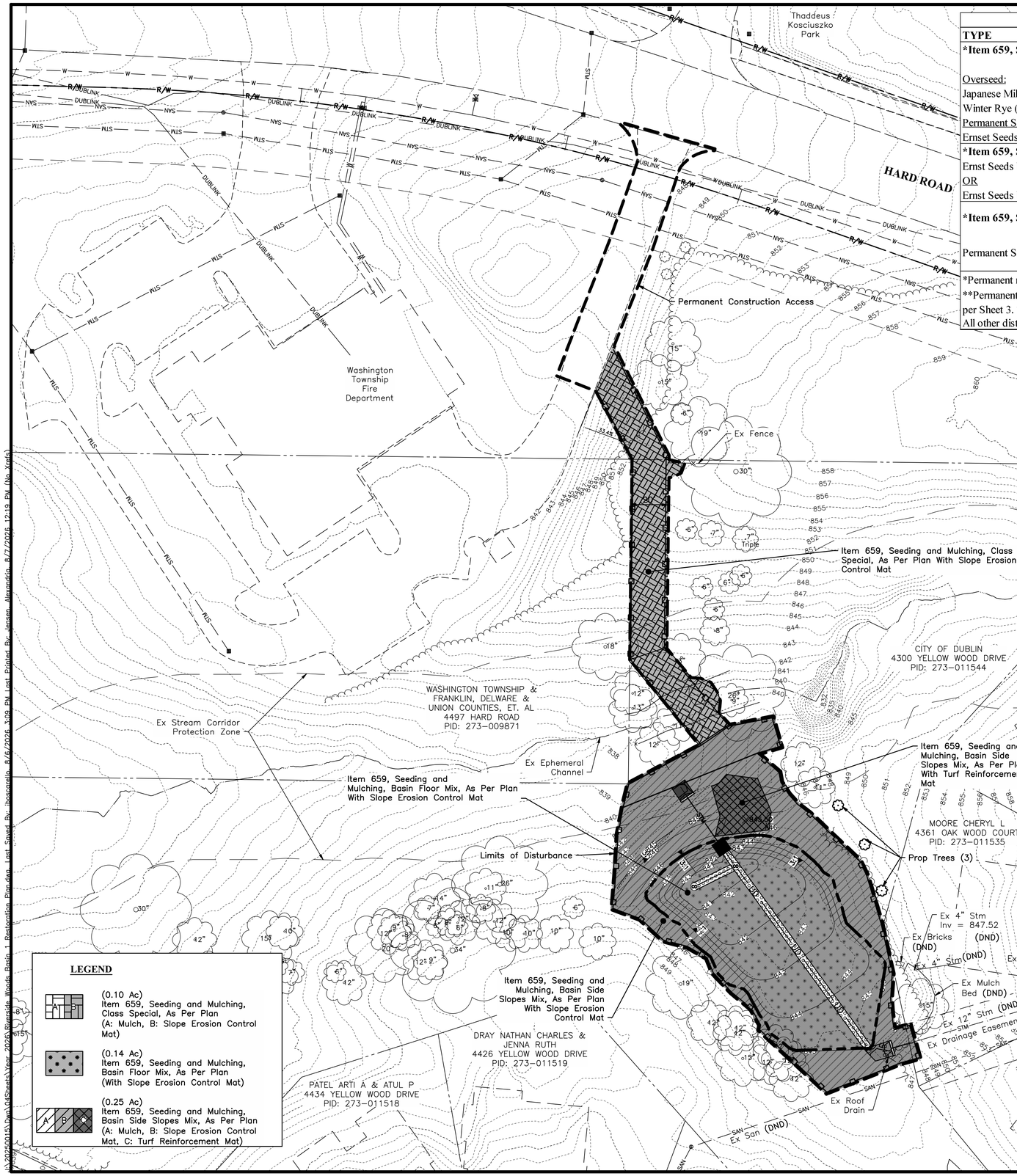

NATIVE GRASS SEEDING TABLE

TYPE	APPLICATION RATE	APPLICATION DATES	COVER
***Item 659, Seeding and Mulching, Basin Floor Mix, As Per Plan**			Erosion Control Matting
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OR			C: Turf Reinforcement Matting
Ernst Seeds Native Steep Slope Mix with Grain Rye (ERNMX-181-2) or Approved Equal	75 lbs/acre	Sep 1 - Oct 15	
***Item 659, Seeding and Mulching, Class Special, As Per Plan**		Sep 15 - Oct 31	Mulch
Permanent Seed Mix**	52 lbs/acre	Mar 15 - May 31	

*Permanent native grass seeding shall occur throughout the Project Area as shown on the plans
**Permanent Seed Mix shall be submitted for approval prior to placement and must contain 2 "Improved Cultivars" as specified under Item 659, Seeding and Mulching, Class Special per Sheet 3. The seeding will be held to a germination rate of 85% and shall match the surrounding grass type.
All other disturbed areas shall be seeded with Item 659, Seeding and Mulching, Class Special per Sheet 3.

Native Grass Seeding Table Notes:

1. Overseed (cover crop) shall be included and applied with the permanent seed to quickly stabilize the site. This is required because the permanent seed takes much longer to germinate than the cover crop.

2. Contractor is expected to install the Permanent Seed prior to the installation of erosion control matting. If this seed mix is installed under matting after October 31 and before March 15, the application rate shall be 150% of normal rates listed in the table.

3. For any areas not receiving matting protection, the October 31 cutoff date for permanent seeding will remain in effect. Seeding shall not occur June 1 to September 14.

4. Lawn coverage shall be held to an 85% germination rate, without weeds, to be considered for substantial completion.

5. All disturbed areas that will be seeded, regardless of topsoil placement, shall be disced 12" prior to seeding.

PLANTING TABLE

MATERIAL	QUANTITY	MIN CALIPER	MIN MATERIAL HEIGHT	SCHEDULE	WARRANTY
No. 15 Trees Ohio Buckeye (Aesculus glabra)	3	1-Inch	5 Feet	Mar 1 - May 15 or Oct 15 - Nov 30	100%

Planting Table Notes:

1. Contractor shall submit a plant material list to the City reflecting availability of preferred plant species. This submission shall be approved by the City prior to ordering plant material.

REVISIONS

MARK	DATE	DESCRIPTION

CITY OF DUBLIN

CITY OF DUBLIN, FRANKLIN COUNTY, OHIO
PLANS
FOR
DUBLIN BASIN MAINTENANCE PROGRAM 2026
RIVERSIDE WOODS BASIN 1 RESTORATION PLAN

EMH&T
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Engineers • Surveyors • Planners • Scientists
5500 New Albany Road, Columbus, OH 43054
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emht.com

DATE
AUGUST 2026

SCALE
1" = 30'

JOB NO.
2025-0015

SHEET
25/29

SITE PREPARATION AND TOPSOIL PLACEMENT

1. SUBMITTALS:

1.1. Contractor shall submit topsoil test results according to Item 653, Topsoil Furnished and Placed, As Per Plan.

1.2. Prior to placing topsoil, the Contractor shall have approval of subgrade elevations according to Item Spec, Grade Checking, As Per Plan.

1.3. Prior to seeding, the Contractor shall have approval of final grade elevations according to Item Spec, Grade Checking, As Per Plan.

2. CONSTRUCTION METHODS:

2.1. Contractor shall prepare the site in conformance with Item 653, Topsoil Furnished and Placed, As Per Plan.

PLANTING TREES AND SHRUBS

3. SUBMITTALS

3.1. Prior to the start of work on this item, the Contractor shall submit the nursery order and bill of lading from the nursery to the City for review and approval.

3.1.1. Within thirty (30) days of the award of the contract, the Contractor shall submit a complete listing of the proposed planting materials to be provided under this section to the City for approval. The City will review the submitted materials. If deficient, as solely determined by the City, additional information shall be forwarded to the City. Any problems with obtaining any of the specified plant materials shall be forwarded in writing to the City. The cause of the acquisition problems shall be discussed in full and a list of vendors contacted shall be included. The Contractor shall be aware that more than one (1) vendor may be required to obtain all the necessary plant materials. Suggestions concerning appropriate substitutions may be included with this correspondence; however, only the City may approve such substitutions.

4. MATERIALS

4.1. The project area shall be planted with the tree and shrub species in accordance with the Planting Table on Sheet 24 and 25. Final species selection shall be approved by the City in writing prior to purchasing the materials. All plants shall be healthy, vigorous, stress–free specimens free from harmful defects, decay, disfigured stems and roots, plant diseases, and insect pests.

4.2. All plants shall come from a nursery that is located within the plant zone 6A or cooler and with a similar soil pH value to that of the City of Dublin, Ohio.

4.3. No material is to be delivered until Landscaper and City are in agreement that the particular zone is ready for planting.

4.4. Plant quality and size: All plants shall be true to type and nomenclature and typical of their species or variety. Ensure that all plant materials conform to the current edition of the American Standard for Nursery Stock, as published by AmericanHort. They shall have a normal habit of growth with well–developed branch systems and vigorous root systems. They shall be sound, healthy, and vigorous plants, free from visible defects, disfiguration, injury, recognizable disease of any kind, insect eggs, borers, and any infestation. All plants shall be nursery grown in a suitable growth medium. It is the responsibility of the Contractor to inspect the plants before removal from the nursery where they have been grown to make sure that the plants meet these requirements.

4.5. All plants shall conform to all sizes and measurements detailed in these specifications and indicated on the plans. Unacceptable plants shall be culled at the nursery prior to being packed. No substitutions for any materials shall be made unless agreed to in writing by the City. With the approval of the City, plants larger in size than specified may be utilized, but such plants shall not increase the contract price. Larger plants shall not be cut back to meet size specifications. Plants shall have a form and architecture that is easily planted for the stock specified.

4.6. The Contractor shall install the trees and shrubs as shown on the Planting Plans on Sheets 24 and 25.

4.7. CONTAINER TREE AND SHRUB SPECIFICATIONS:

4.7.1. Plants shall be established and well rooted in removable containers.

4.7.2. Container class size shall conform to ANSI Z60.1 for container plants for each size and type of plant.

5. NOMENCLATURE (FOR ALL PLANTS)

5.1. A Synonymized Checklist of the Vascular Flora of the United States, Canada and Greenland: Volume II; The Biota of North America (Kartesz and Kartesz, University of North Carolina Press, 1980, or later edition) shall be the authority for plant names. The Contractor shall supply certification from the suppliers that the plants supplied are the plants specified or agreed to under substitution. No compensation shall be made for materials or the cost of installation for plants species that are not specified.

6. INSPECTION

6.1. The Contractor shall be responsible for all certificates of inspection of plant materials that may be required by federal, state, or other authorities to accompany shipments of plants.

7. SCHEDULE

7.1. Plant deciduous, woody plants within the planting window shown on the plans whenever the temperature is between 32 degrees F and 65 degrees F and the soil is in a workable condition, unless otherwise approved in writing. Planting shall be after the permanent seed mix has been installed throughout the preservation area.

7.2. Except for container–grown material, the time limitation from digging to installing plant material shall be a maximum 21 days.

8. DELIVERY, STORAGE, AND HANDLING

8.1. No material is to be delivered until Landscaper and City are in agreement that the particular zone is ready for planting.

8.2. All plants shall be packed, transported, and handled with utmost care to ensure adequate protection against injury or damage to the root ball and desiccation. Plants must be protected from excessive vibrations. Plants shall not be thrown or bounded off a truck or loader to the ground. Plants shall not be dragged, lifted, or pulled by the trunk or braces in a manner that will damage the branches or loosen the roots in the ball.

8.3. Plant materials transported in vehicles shall be protected from wind whipping either by use of covered vehicles or secure tarps. Failure to protect plant materials during transport to the site will result in rejection of plant materials.

8.4. Plants will be delivered as close as possible to the date planting will actually begin.

8.5. Upon shipment arrival, plants will be unpacked and roots will be checked to ensure they are moist. Roots will be watered if they appear dry.

9. PRE–INSTALLATION INSPECTION

9.1. The Contractor shall meet with the City during delivery of plant materials at the project site. Each item shall be labeled with the product name (genus, species, variety, and cultivar), material size, and vendor. The Contractor shall provide the City with copies of all shipping manifests for the materials. The City shall verify the materials delivered are in a healthy and vigorous condition, and are consistent with the plan requirements in regards to quantity, species, and size.

9.2. The City shall be the sole judge of the conditions of quality and acceptability and will direct all corrections to the Contractor in writing. All rejected materials shall be immediately removed from the site and replaced with specified materials at the Contractor's expense.

10. INSTALLATION GENERAL

10.1. The Contractor shall not proceed with installation without written direction from the City if the actual time of installation does not comply with the installation periods listed in the Planting Table.

10.2. The Contractor shall mark all planting areas with stakes. The City shall approve the layout before planting begins.

10.3. Prior permission from the City is required for planting trees and shrubs if the majority of the planting area is excessively wet (areas >0.5–inch inundation) or exceedingly dry.

10.4. If an area is planted in a monoculture or an inappropriate mix, as solely determined by the City, at the direction of the City, the planting or a segment of the planting shall be removed and the plants discarded. The area will then be replanted as specified. No compensation for the discarded plants, the cost of the installation of the discarded plants, or the cost of the removal of the discarded plants shall be made to the Contractor.

10.5. The Contractor shall ensure all utilities within the planting area are located and marked prior to plant installation.

10.6. Observe each plant after delivery and prior to installation for damage of other characteristics that may cause rejection of the plant. Notify the City of any condition observed.

10.7. No more plants shall be distributed about the planting area than can be planted and watered on the same day.

10.8. ROOT SYSTEM

10.8.1. The root system of each plant, regardless of root ball package type, shall be observed by the Contractor, at the time of planting to confirm that the roots meet the requirements for plant root quality. The Contractor shall undertake, at the time of planting, all modifications to the root system required by the City to meet these quality standards.

10.8.2. Modifications, at the time of planting, to meet the specifications for the depth of the root collar and removal of stem girdling roots and circling roots may make the plant unstable or stress the plant to the point that the City may choose to reject the plant rather than permitting the modification.

10.8.3. Any modifications required by the City to make the root system conform to the plant quality standards, outlined in Special Planting Requirements (Sheet 27), shall not be considered as grounds to modify or void the plant warranty.

10.8.4. The resulting root ball may need additional staking and water after planting. The City may reject the plant if the root modification process makes the tree unstable or if the tree is not healthy at the end of the warranty period. Such plants shall still be covered under the warranty.

10.8.5. The Contractor remains responsible to confirm that the grower has made all required root modifications noted during any nursery observations.

10.8.6. Container and boxed root ball shaving: The outer surfaces of all plants in containers and boxes, including the top, sides and bottom of the root ball shall be shaved to remove all circling, descending, and matted roots. Shaving shall be performed using saws, knives, sharp shovels or other suitable equipment that is capable of making clean cuts on the roots. Shaving shall remove a minimum of one –inch of root mat or up to 2–inches as required to remove all root segments that are not growing reasonably radial to the trunk.

10.8.7. Exposed stem tissue after modification: The required root ball modifications may result in stem tissue that has not formed trunk bark being exposed above the soil line. If such condition occurs, wrap the exposed portion of the stem in a protective wrapping with a white filter fabric. Secure the fabric with biodegradable masking tape. Do not use string, twine, green nursery ties or any other material that may girdle the trunk if not removed.

10.9. EXCAVATION

10.9.1. Excavation of the planting space: Using hand tools or tracked mini–excavator, excavate the planting hole into the planting soil to the depth of the root ball measured after any root ball modification to correct root problems, and wide enough for working room around the root ball or to the size indicated on the drawing or as noted below.

10.9.2. For trees and shrubs planted in soil areas that are not tilled or otherwise modified to a depth of at least 12–inches over a distance of more than 10 feet radius from each tree, or 5 feet radius from each shrub, the soil around the root ball shall be loosened as defined below or as indicated on the drawings.

10.9.2.1. The area of loosening shall be a minimum of 3 times the diameter of the root ball at the surface sloping to 2 times the diameter of the root ball at the depth of the root ball.

10.9.2.2. Loosening is defined as digging into the soil and turning the soil to reduce the compaction. The soil does not have to be removed from the hole, just dug, lifted and turned. Lifting and turning may be accomplished with a tracked mini excavator, or hand shovels.

10.9.2.3. If an auger is used to dig the initial planting hole, the soil around the auger hole shall be loosened as defined above for trees and shrubs planted in soil areas that are not tilled or otherwise modified.

10.9.3. The measuring point for root ball depth shall be the average height of the outer edge of the root ball after any required root ball modification.

10.9.4. If motorized equipment is used to deliver plants to the planting area over exposed planting beds, or used to loosen the soil or dig the planting holes, all soil that has been driven over shall be tilled to a depth of 6–inches.

10.9.5. For trees to be planted in prepared planting soil that is deeper than the root ball depth, compact the soil under the root ball using a mechanical tamper to assure a firm bedding for the root ball. If there is more than 12–inches of planting soil under the root ball excavate and tamp the planting soil in lifts not to exceed 12–inches.

10.10. Set top outer edge of the root ball at the average elevation of the proposed finish. Set the plant plumb and upright in the center of the planting hole. The tree graft, if applicable, shall be visible above the grade. Do not place soil on top of the root ball.

10.11. The City may request that plant orientation be rotated when planted based on the form of the plant.

10.12. Backfill the space around the root ball with the same planting soil or existing soil that was excavated for the planting space.

10.13. Brace root ball by tamping planting soil around the lower portion of the root ball. Place additional planting soil around base and sides of ball in six–inch (6") lifts. Lightly tamp each lift using light foot pressure or hand tools to settle backfill, support the tree and eliminate voids. Do not over compact the backfill or use mechanical or pneumatic tamping equipment. Over compaction shall be defined as greater than 85% of maximum dry density, standard proctor or greater than 250 psi as measured by a cone penetrometer when the volumetric soil moisture is lower than field capacity.

10.13.1. When the planting hole has been backfilled to three quarters of its depth, water shall be poured around the root ball and allowed to soak into the soil to settle the soil. Do not flood the planting space. If the soil is above field capacity, allow the soil to drain to below field capacity before finishing the planting. Air pockets shall be eliminated and backfill continued until the planting soil is brought to grade level.

10.14. Thoroughly water the planting soil and root ball immediately after planting.

10.15. Remove all nursery plant identification tags and ribbons as per City's instructions.

10.16. Remove corrugated cardboard trunk protection after planting.

10.17. Follow additional requirements for the permitted root ball packages.

Planting Notes continue on Sheet 27...

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CITY OF DUBLIN

CITY OF DUBLIN, FRANKLIN COUNTY, OHIO
PLANS
FOR
DUBLIN BASIN MAINTENANCE PROGRAM 2026
PLANTING NOTES

EMH&T
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DATE: AUGUST 2026

SCALE: NONE

JOB NO.: 2025-0015

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...Planting Notes continued from Sheet 26

SPECIAL PLANTING REQUIREMENTS

11. CONTAINER PLANTS

(Includes boxed and above–ground fabric containers)

11.1. This specification assumes that most container plants have significant stem girdling and circling roots, and that the root collar is too low in the root ball.

11.2. Containered plants shall be carefully removed from the containers prior to installation. Plants shall not be pulled from the container by the trunk. Any plant materials observed to be removed from containers by the trunk may be rejected by the City.

11.3. Perform root ball shaving as defined above.

11.4. Remove all roots and substrate above the root collar and the main structural roots.

11.5. Remove all substrate at the bottom of the root ball that does not contain roots.

11.6. Using a hose, power washer, or air excavation device, wash out the substrate from around the trunk and top of the remaining root ball and find and remove all stem girdling roots within the root ball above the top of the structural roots.

11.7. The excavated hole for #15 containers shall be a diameter that is at least 6–inches larger than the diameter of the container or two times the root ball diameter, whichever is greater.

12. ACCEPTANCE

12.1. Upon written notice from the Contractor, the City shall review the planting work and make a determination if the planting work is substantially complete. Acceptance of the plant installation by the City shall be based on proper site preparation and installation, and satisfactory completion of required watering, if any. Acceptance of the work by the City shall not relieve the Contractor from any obligations of the contract. If planting occurs during the fall or winter months, the City may request seedlings be replanted if the spring walkover performed by the City identifies excessive planting failure as the result of frost heaving.

13. DAMAGED AREAS

13.1. All areas where the installed plants have been disturbed or destroyed by the Contractor's negligent actions or inactions, as solely determined by the City, shall be replanted in accordance with these specifications by the Contractor at his own expense. Replanting shall occur at the next available planting window and shall not be delayed until the end of the warranty period.

WARRANTY PERIOD

14. The Contractor shall be held to the warranty percent survival rate of 85% for each of the seed types specified on Sheets 24 and 25 and 100% for each of the tree types specified on Sheets 24 and 25.

15. The warranty period for the seeding and planting work shall extend for a minimum of one calendar year and include at least one full continuous growing season consisting of the full months of June through October, inclusive.

16. Following installation and throughout the warranty period, the Contractor shall actively maintain the installed planting work. This work includes removing debris accumulated in the planting area, resetting trees and shrubs to upright positions, reseeding bare soil areas, removing and replacing dead trees and shrubs, watering, and controlling invasive species and weeds during warranty period.

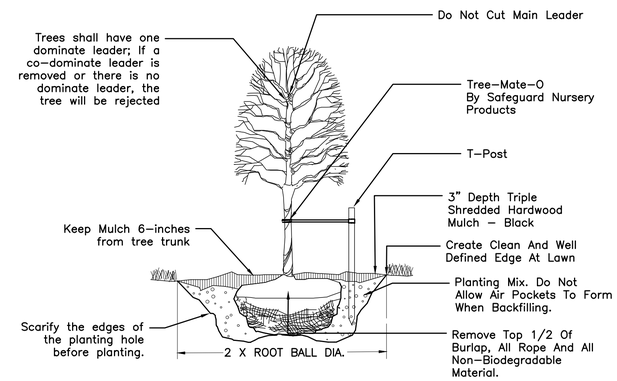
17. The Contractor shall perform maintenance visits to the project site at the following time intervals. Additional maintenance visits may be performed at the Contractor's discretion and expense.

17.1. 30 days following written acceptance of all planting work

17.2. 3 months following the previous maintenance visit.

18. The warranty inspection will be conducted at least 12 months from the date of installation between April 1 and November 15. Landscaper will meet with the City in the field and review the project areas to determine both adequate grass cover and vegetation survival in accordance with this plan. All dead material, regardless of cause, will be subject to the warranty replacement in accordance with a survivability rate of 85% for seeding and 100% for trees. All missing material, regardless of cause (including but not limited to beavers, deer, flooding), shall be considered dead. Any material that is missing 50% or more of its original living branches present during installation (stunted branches, frost damage, leaf loss, etc.) shall be considered dead and will be subject to replacement.

19. The determination of seeded material survivability shall occur within a portion of each seeded area shown on this plan, agreed upon between the City and the Landscaper. The determination of adequate grass cover shall apply to the entire project area.



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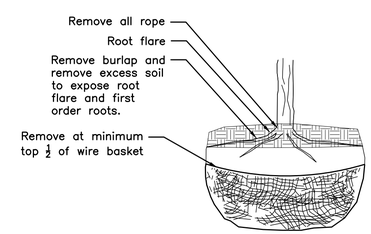

2 DETAIL
ROOTBALL PREPARATION Not to Scale

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DATE
AUGUST 2026

SCALE
NONE

JOB NO.
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SHEET
27/29

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ITEM 614 - MAINTAINING TRAFFIC, AS PER PLAN

GENERAL

Traffic control shall be furnished, erected, maintained, and removed by the Contractor according to Ohio Manual of Uniform Traffic Control Devices (OMUTCD), current edition.

The roadway shall not be opened to traffic until permanent traffic controls are in place, or until temporary traffic controls, approved by the Engineer, are installed. The Contractor assumes all liability for the premature removal of temporary traffic controls.

The Contractor shall be responsible for the reinstallation and/or replacement of all permanent traffic control devices damaged or removed during the construction. Permanent traffic control that is no longer in conflict with temporary traffic control shall be replaced immediately. The Contractor shall assume all liability for missing, damaged and improperly placed traffic control devices.

The Contractor shall provide a 24 hour contact who will be responsible for maintenance of traffic for the duration of the project.

Construction operations shall not begin until all temporary traffic control devices are in place and approved by the Engineer and the City.

Maintenance of all traffic control devices including drums, signs, barricades, sign boards, detour signage, etc., shall be the Contractor's responsibility.

All trenches shall be backfilled or securely plated during all nighttime and non–working hours.

The drop off policies outlined in ODOT's Standard Construction Drawing MT–101.90 shall be applied to all phases of work outlined herein, irrespective of speed limit. A foreslope of 3:1 or flatter should be implemented during non–working and nighttime hours as needed to conform with MT–101.90.

If the City Engineer determines that the Contractor is not providing proper provisions for traffic control, the City Engineer shall assign uniformed, off–duty police officers to the project at no cost to the City.

CONSTRUCTION INITIATION

The Contractor will notify the City of Dublin 14 days prior to the start of construction activities. The Contractor will immediately inform the City of Dublin of any and all delays and/or changes regarding the construction project. The City Engineer will provide clarification for any questions about the notification requirement.

The Contractor shall submit a closure schedule to the City of Dublin for approval prior to initiating any closure.

ALTERNATE METHODS

The Contractor may submit alternative methods for the maintenance of traffic provided the intent of the above provisions is followed and no additional inconvenience to the traveling public results from the change. No alternative plan shall be placed in effect until approval has been received from the City of Dublin. There shall be no additional compensation for alternate methods.

LOCAL ACCESS

Ingress and egress shall be maintained to all residential and commercial properties. Driveway closure may be necessary to enable work on or in front of a drive. The Contractor will be responsible for notifying owners, residents, or business operators in writing at least 48 hours but not more than 72 hours prior to closure. The Engineer shall be given a list of the persons that were given notices with the date of notice included. Closure is permitted only during work hours and access must be returned at the end of each working day. Properties with multiple drives may have one drive closed at a time, while work is performed in the area of the closed drive.

Access from public roadways to all adjoining properties for existing residents or businesses shall be maintained throughout the duration of the project for mail, public water and sanitary sewer service, and emergency vehicles. The Contractor shall provide a traffic control plan detailing the proposed maintenance of traffic procedures. The traffic control plan must incorporate any traffic control details contained herein. The traffic control plan proposed by the Contractor must be approved by the City Engineer prior to construction.

Individual drive closures shall be kept to the minimum time needed for construction activities. Every effort must be made to accommodate the owner's need for access.

PEDESTRIAN ACCESS

The Contractor shall be responsible for the protection and safe movement of pedestrians through, around, and away from the construction site.

The safety of pedestrian traffic shall be considered at all times in the provision of traffic control devices required by these plans and notes. It shall be the Contractor's responsibility to provide lights, signs, barricades, and other warnings to physically separate the pedestrian from hazards incidental to the construction operations such as open excavations, etc. At all times, the pedestrian MOT shall be subject to the approval of the Engineer.

If the Contractor desires to deviate from the proposed maintenance of pedestrian traffic plan, the Contractor shall submit in writing (a minimum of 14 days prior to construction) a plan to maintain pedestrian traffic for the duration of the project to the City and the Engineer for approval.

Any costs associated with maintaining pedestrian traffic shall be incidental to Item 614, Maintaining Traffic, As Per Plan.

COVERING SIGNS

The Contractor shall cover all existing signs that conflict with maintenance of traffic signs. Covering of signs shall be in accordance with 614.16. Costs for covering signs shall be included in Item 614 – Maintaining Traffic, As Per Plan.

EXISTING TRAFFIC SIGN MAINTENANCE

Special care shall be taken to maintain existing street name signs and stop signs. If necessary, the Contractor shall relocate these signs out of the way of construction, but in conformance with OMUTCD and the City of Dublin Standard Construction Drawings.

SIGNS, BARRICADES, AND VERTICAL PANELS

All construction signs, barricades, vertical panels, and drums shall conform to OMUTCD and the latest revision of the ODOT construction and material specifications.

All construction signage shall be installed and covered before construction begins. After construction sign installation, the Contractor shall notify the Engineer three working days before work begins and request an inspection of all signage.

Faces of construction signs and reflective sheeting on barricades shall be type "H" VIP. All orange construction signs shall be fluorescent orange. All sheeting will be tested for reflectivity per ODOT 730.192. Vertical panels and drum bands shall be reflectorized with type "G" (High Intensity) sheeting complying with the requirements of 730.19. All signs and barricades, vertical panels, and drums will be like new and in good condition in conformance with "Quality Guidelines For Temporary Traffic Control Devices And Features" published by ATSSA.

Maintenance of all Contractor supplied signs, barricades, vertical panels, and drums is the Contractor's responsibility. If the Contractor fails to correct deficiencies within four hours of notification, the City will correct or hire someone to correct the deficiencies. The Contractor will then be back charged per ODOT specification 614.14. In the case that back charging the Contractor is not applicable, the City will rescind and withhold all permits issued to the Contractor to work within City right–of–way until the issue is settled.

These provisions shall not in any way relieve the Contractor of any of his legal responsibilities or liabilities for the safety of the public.

Steady burning, Type "C" lights shall be required on all barricades, drums, and similar traffic control devices in use at night.

All advance signing shall be equipped with type "A" flashing lights and (2) orange flags (24"x24"). Lights are not required on signs in place during daylight hours.

Cones are not approved for use at night.

Drums shall be placed as follows: 40' c/c on tangents, 20' c/c on tapers, and 8' c/c in radii/closures.

All signs shown on the "Maintenance of Traffic" sheets must be removed promptly after work is complete in the area.

LANE CLOSURE/REDUCTION REQUIRED

Length and duration of lane closures and restrictions shall be at the approval of the Engineer. It is the intent to minimize the impact to the traveling public. Lane closures or restrictions over segments of the project in which no work is anticipated within a reasonable time frame, as determined by the Engineer, shall not be permitted. The level of utilization of maintenance of traffic devices shall be commensurate with the work in progress.

MUD, DIRT AND DEBRIS

The tracking or spillage of mud, dirt or debris upon state highways is prohibited and any such occurrence shall be cleaned up immediately by the contractor.

PAYMENT

Payment for all maintenance of traffic items, including the furnishing, installation and maintenance of, but not limited to: flashing arrows panels, signs, sign supports, flags, flaggers, barricades, barrier, barrier reflectors, notice of closure signs, drums, cones, construction fencing, temporary pavement markings, traffic compacted surface, materials and labor for maintaining access to driveways, property owner notification/coordination and development of the operations schedule shall be at the lump sum price bid for Item 614 Maintaining Traffic, As Per Plan, which shall include all labor, material, equipment, and incidentals to complete the work as detailed in the plans. Unless separately itemized in the plans, no separate payment shall be made.

ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR, AS PER PLAN

Use of Law Enforcement Officers (LEOs) by Contractors other than the uses specified in this note will not be permitted at project cost unless prior approval has been obtained from the Engineer. LEOs should not be used where the Ohio Manual of Uniform Traffic Control Devices (OMUTCD) intends for flaggers be used.

In addition to the requirements of CMS 614 and the OMUTCD, a uniformed LEO with an official patrol car (car with top–mounted emergency flashing lights and complete markings of the appropriate Law Enforcement Agency) should be provided for controlling traffic for the following tasks:

For lane closures: During initial set–up periods, tear down periods, substantial shifts of a closure point or when new lane closure arrangements are initiated. In general, LEOs should be positioned at the point of lane restriction or road closure and to manually control traffic movements through intersections in work zones.

During the entire advance preparation and closure sequence where blockage of traffic is required.

LEOs work at the direction of the Contractor. The Contractor is responsible for securing the services of the LEOs and communicating the intentions of the plans with respect to duties of the LEOs. The Engineer shall have final control over the LEOs' duties and placement and will resolve any issues that may arise between the two parties. The Contractor shall utilize any of the following Law Enforcement Agency(s): City of Dublin, Franklin County Sherrif's Office, or the Ohio State Highway Patrol.

Law Enforcement Officers with patrol car required by the traffic maintenance tasks above shall be paid for on a unit price (hourly) basis under Item 614, Law Enforcement Officer with Patrol Car, As Per Plan.

The hours paid shall include minimum show–up time required by the law enforcement agency involved. Any additional costs (administrative or otherwise) incurred by the Contractor to obtain the services of an LEO are included with the bid unit price for Item 614, Law Enforcement Officer with Patrol Car, As Per Plan.

SEQUENCE OF CONSTRUCTION

Drive improvements on Hard Rd shall be installed per sheet 29 as detailed within. Two–way traffic shall be maintained at all times. Sidewalks shall be closed for construction with pedestrian traffic detoured to the opposite side of the street. Access to local properties shall be maintained at all times. Coordination shall be made with the Washington Township Fire Department prior to closure of the drive.

Construction off of May Apple Court shall be coordinated with all local property owners. A Trucks Entering and Exiting sign (W8–H6a–36) sign shall be placed at the entrance of May Apple Court for the duration of construction.

This set–up shall only be in place during working hours. All existing travel lanes shall be open during peak hours (7–9AM and 4–6PM Mon–Fri).

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MAINTENANCE OF TRAFFIC NOTES

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DATE: JUNE 2026

SCALE: NONE

JOB NO.: 2025-0015

SHEET: 28/29

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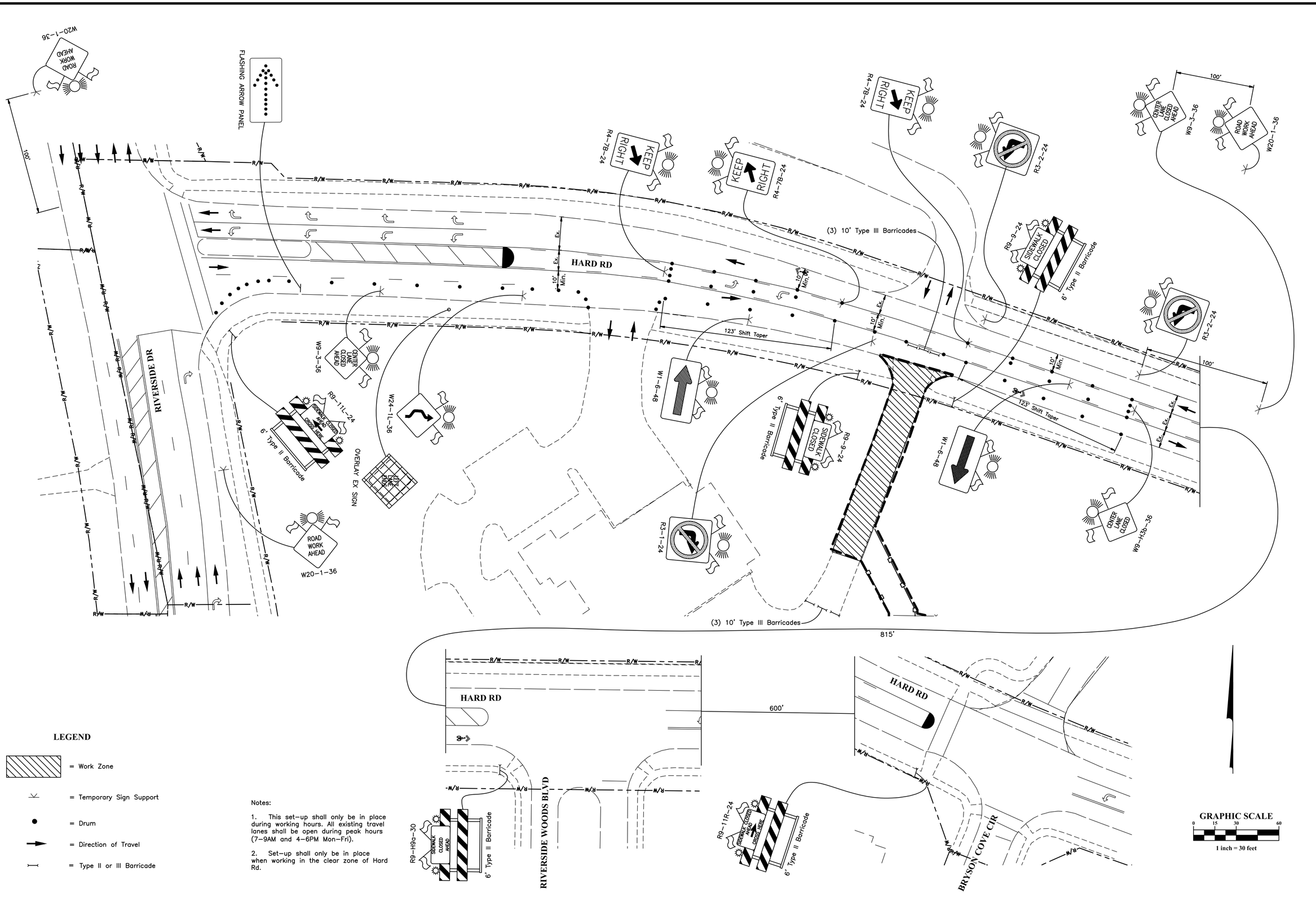

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