

CITY OF DUBLIN, FRANKLIN COUNTY, OHIO
PLAN
FOR
EARLINGTON PARK DRAINAGE
BASIN IMPROVEMENTS
2025

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BENCH MARKS
(NAVD 1988)

Source BM N39RESET	Aluminum disk in the top of the south end abutment of Brand Road bridge WAS-44-2.09 over North Fork Indian Run, 0.20 miles northwest of Coffman Road, 19.5 feet south of the centerline.	Northing = 772935	Easting = 1791072	Elev. = 886.805
HI-29	Aluminum disk in the southwest wingwall of Brand Road bridge WAS 44-1.82, 0.10 miles northwest of Earlington Parkway/Brandonway Drive, 17.2 feet south of the centerline.	Northing = 773978	Easting = 1789994	Elev. = 889.093
BM#8	Chiseled "X" on the east flange of a fire hydrant located on the southwest side of Brand Road, being the first fire hydrant (75 feet) northwest of the intersection with Earlington Parkway.	Northing = 773622	Easting = 1790407	Elev. = 890.30
BM#10	Chiseled "X" on the east flange bolt of a fire hydrant located on the southwest side of Brand Road, being the first fire hydrant (290 feet) southeast of the driveway to residence #5545.	Northing = 774323	Easting = 1789444	Elev. = 891.27
BM#11	Chiseled "X" on the northwest flange bolt of a fire hydrant located on the east side of Bristol Parkway being the first hydrant (220 feet) north of the intersection with Brand Road.	Northing = 775225	Easting = 1788798	Elev. = 894.66
BM#12	Chiseled "X" on the north flange bolt of a fire hydrant located on the south side of Bristol Parkway being the first fire hydrant (130 feet) west of the intersection with Forest Knoll Drive.	Northing = 775549	Easting = 1789096	Elev. = 896.44
BM#13	Chiseled square on the northeast corner of the third step of the east entrance to the gazebo located 450 feet south of the intersection of Brand Road and Bristol Parkway.	Northing = 774595	Easting = 1788499	Elev. = 896.36
BM#14	Chiseled "X" on the east flange bolt of a fire hydrant located on the south side of Brand Road, being the first hydrant (150 feet) east of the intersection with Bristol Parkway.	Northing = 774919	Easting = 1788772	Elev. = 895.49

STANDARD CONSTRUCTION DRAWINGS

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

City of Columbus	City of Dublin (2024 Edition)	ODOT
AA-S102	RD-01	CB-2.5
AA-S106	RD-02	CB-2.6
AA-S107	RD-05	HW-1
AA-S112	RD-06	
AA-S117	ST-01	
AA-S119	ST-03	
AA-S133B	ST-05	
AA-S139		
AA-S149		
AA-S150		
AA-S151		
AA-S168		
AA-S169		

OWNER

CITY OF DUBLIN
6555 SHIER RINGS ROAD
DUBLIN, OHIO 43016
Tel: (614) 410-4740

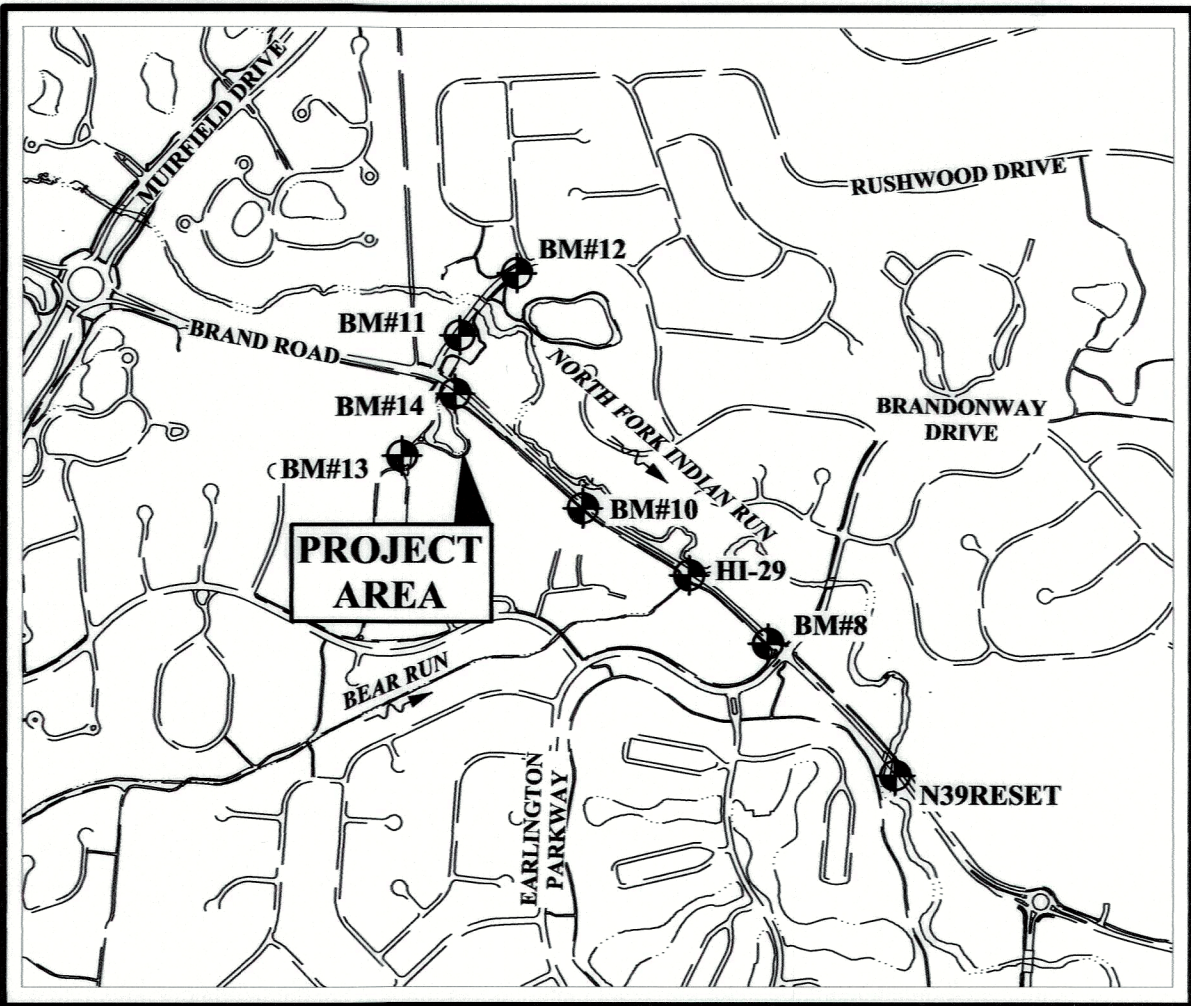
INDEX MAP

Scale: 1" = 200'

GRAPHIC SCALE



1 inch = 200 feet



LOCATION MAP

1" = 1000'

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:

Paul A. Hammersmith 7.1.2025
Director of Engineering/City Engineer
City of Dublin, Ohio
Paul A. Hammersmith, P.E.

REVISIONS
MARK DATE DESCRIPTION

CITY OF DUBLIN

CITY OF DUBLIN, FRANKLIN COUNTY, OHIO
PLAN
FOR
EARLINGTON PARK DRAINAGE
BASIN IMPROVEMENTS
TITLE SHEET

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JUNE 2025

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SHEET

01/36

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CITY OF DUBLIN STANDARD GENERAL NOTES		UTILITIES		PERMITS		SIGNS, MAILBOXES, FENCES, ETC.	
GENERAL		The following utilities are known to be located within the limits of this project:		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.		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.	
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.		For Water, Storm Sewer, Sanitary Sewer: City of Dublin Division of Engineering 6555 Shier Rings Road Dublin, OH 43016 Office: (614) 410-4740		Water City of Columbus Division of Water 910 Dublin Road Columbus, OH 43215 Office (614) 818-2104			
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.		Columbia Gas of Ohio Attn: Rob Caldwell 3350 Johnny Appleseed Ct Columbus, OH 43231 Office: (614) 818-2104		AT&T Attn: Steve Connell 111 N. 4th Street Columbus, OH 43215 Phone: (614) 312-2095 Fax: (614) 223-5579			
The Contractor shall notify the City of Dublin Division of Engineering in writing at least 14 days prior to beginning construction.		AEP Attn: Bob Matthews 700 Morrison Road Gahanna, OH 43230 Office: (740) 647-2080		Verizon Business (MCI/XO) 757 Commerce Ct. Lewis Center, OH 43035 Cell: 614-809-8866 (Deere) Cell: 614-816-0361 (Dillow) Robert.dillow@verizon.com John.Deere@verizon.com			
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.		AltaFiber Attn: Bradley Kearns 201 E. 4th Street Cincinnati, OH 45201 Office: (513) 417-5206					
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 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 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 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.			
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.		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.			
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.		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.			
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.		The Contractor shall provide sediment control at all points where storm water runoff leaves the project, including waterways, overland sheet flow, and storm sewers.			
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.		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.			
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		For Additional Sediment and Erosion Control Notes & Details, see Sheets 24 – 27.			
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.		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.							

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LEGEND

EXISTING

- Ex Major Contour
- Ex Minor Contour
- Ex Parcel Boundary
- Ex Flow Path
- Ex Edge of Water
- Ex Storm Pipe
- Ex Water Main
- Ex Overhead Electric Line
- Ex Gas Main
- Ex Fiber Optic Line
- Ex Communication Line
- Ex Underground Electric Line
- Ex Guardrail
- Ex Fence
- Ex Edge of Pavement
- Ex Edge of Asphalt
- Ex Building
- Ex Brushline/Treeline
- Ex FEMA Floodway
- Ex FEMA 100-Year Floodplain
- Ex FEMA 500-Year Floodplain

Ex Wetlands

Ex Shared-Use Path

- Ex Storm Manhole
- Ex Storm Catch Basin
- Ex Storm Drain
- Ex Light Pole
- Ex Hydrant
- Ex Water Valve
- Ex Sign
- Ex Electric Box
- Ex Soil Boring
- Ex Fiber Optic Box
- Ex Fiber Optic Marker
- Ex Mailbox
- Ex Deciduous Tree
- Ex Evergreen Tree
- Ex Bush
- Ex Stump
- Ex Power Pole
- Ex Miscellaneous Pole
- Ex Guy Wire
- Ex Power Box
- Ex Power Marker
- Ex Power Duct
- Ex Communications Manhole
- Mag Nail Set
- Iron Pin Found

PROPOSED

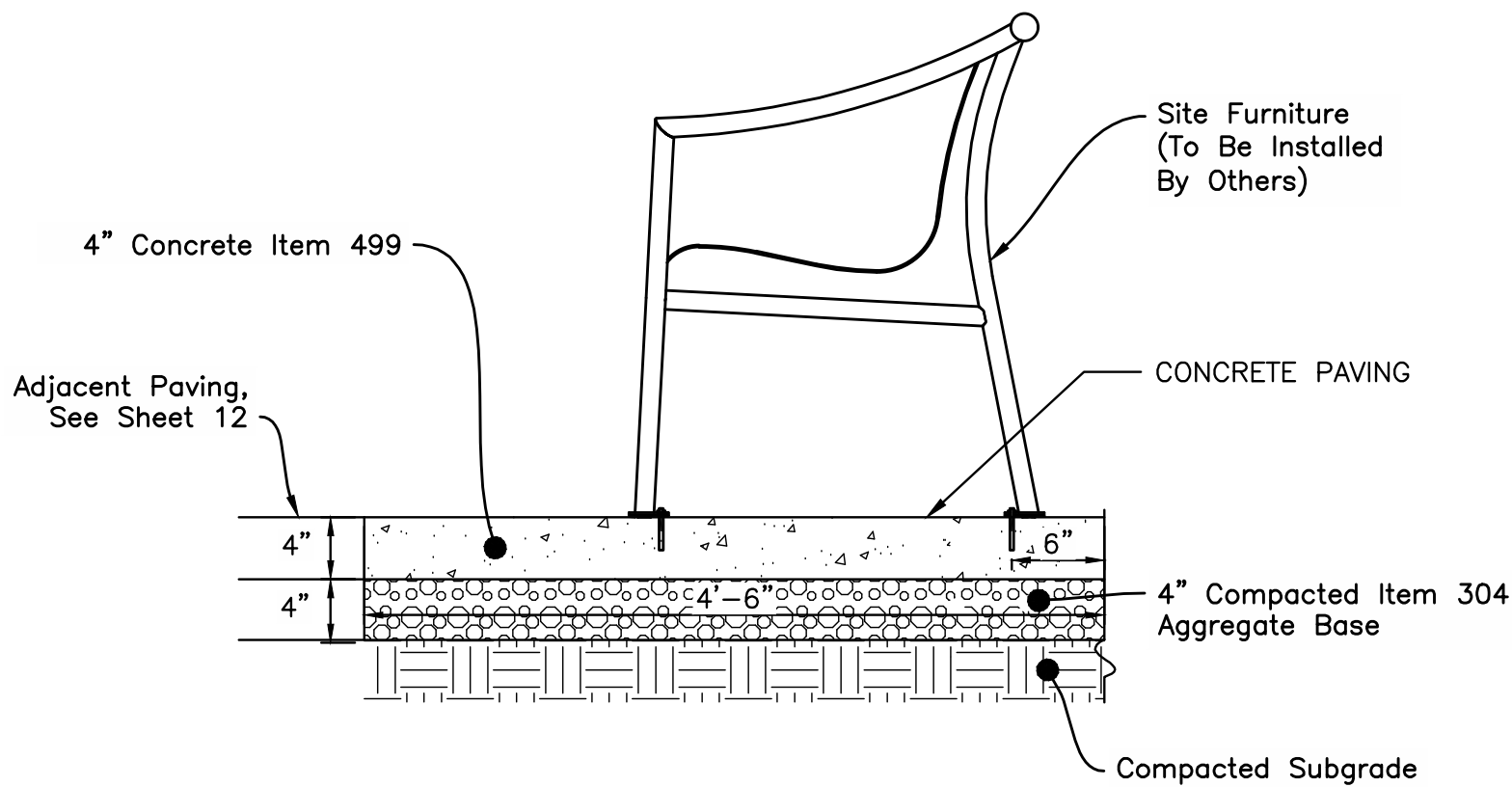
- Prop Major Contour
- Prop Minor Contour
- Prop Storm Pipe
- Prop Normal Pool
- Prop 100-Year Elevation
- Drainage Flow Arrow
- Prop Catch Basin
- Prop Headwall
- Prop Manhole
- Prop RCP
- Prop Asphalt Trail
- Prop Concrete Shared-Use Path

TEMPORARY

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

ABBREVIATIONS

- | | | | |
|------|------------------|------|-------------------------|
| Ac | Acres | MH | Manhole |
| CB | Catch Basin | NWL | Normal Water Level |
| CL | Centerline | Prop | Proposed |
| DND | Do Not Disturb | R&R | Remove and Replace |
| E/P | Edge of Pavement | RCP | Rock Channel Protection |
| Elec | Electric | R/W | Right of Way |
| Elev | Elevation | Sta | Station |
| Ex | Existing | Stm | Storm |
| FH | Fire Hydrant | TBR | To Be Removed |
| FO | Fiber Optic | TBRL | To Be Relocated |
| HW | Headwall | Temp | Temporary |
| Inv | Invert | Typ | Typical |
| Max | Maximum | Wat | Water |
| Min | Minimum | WM | Water Meter |
| Misc | Miscellaneous | WV | Water Valve |



DETAIL

CONCRETE BENCH PAD

NOT TO SCALE

LIST OF QUANTITIES

A. General Project Items

Item No.	Description	Quantity	Units
201	Clearing and Grubbing, As Per Plan	1	LS
202	Concrete Pad Removed, As Per Plan	3	SY
202	Fence Removed and Reset, As Per Plan	80	LF
202	Sign Removed, Stored, and Reinstalled, As Per Plan	2	EA
202	Guardrail Removed	60	LF
202	Walk Removed	1270	SY
202	Walk Removed, Brick Path	40	SY
202	Catch Basin Removed	2	EA
202	Manhole Abandoned	1	EA
202	Removal Misc.: Headwall Removed, As Per Plan	1	EA
202	Pipe Filled in Place, 24" and Under, As Per Plan	280	LF
202	Pipe Removed, 24" and Over	170	LF
203	Embankment (Placing Stockpiled Material), As Per Plan	300	CY
203	Excavation (Stockpiled), As Per Plan	300	CY
203	Embankment (Placing Imported Material), As Per Plan	70	CY
207	Erosion and Sediment Control, As Per Plan	1	LS
253	Spot Full Depth Asphalt Repair, Roadway, As Per Plan	60	SY
601	Rock Channel Protection, Type C with Aggregate Filter, As Per Plan (Outfall Protection)	16	CY
601	Dumped Rock Fill, As Per Plan	390	CY
602	Concrete Masonry Includes Reinforcing	13	CY
604	Catch Basin AA-S133B	2	EA
604	Manhole AA-S102	1	EA
608	Asphalt Pavement (Trail), As Per Plan	1340	SY
608	Concrete Shared Use Path, As Per Plan	60	SF
609	Remove and Replace Concrete Curb & Gutter, As Per Plan	15	LF
611	Catch Basin No. 2-5	2	EA
611	Catch Basin No. 2-6, with Trash Rack	2	EA
614	Maintaining Traffic	1	LS
614	Law Enforcement Officer with Patrol Car, As Per Plan	12	HR
623	Construction Layout Stakes	1	LS
624	Mobilization	1	LS
653	Topsoil Furnished and Placed, As Per Plan	330	CY
659	Seeding and Mulching, Class Special, As Per Plan	6170	SY
659	Seeding and Mulching, Retention Basin Mix, As Per Plan	400	SY
659	Repair Seeding and Mulching, Class Special and Retention Basin Mix	1400	SY
661	Deciduous Shrub, No. 5 Cont., As Per Plan	3	EA
661	Deciduous Tree, No. 15 Cont., As Per Plan	3	EA
661	Balled & Burlapped Trees, As Per Plan	27	EA
670	Slope Erosion Protection Mat, As Per Plan	3330	SY
712	Geogrid Composite with Geotextile, As Per Plan	270	SY
801	8" Ductile Iron Pipe, Class 52, As Per Plan	80	FT
901	15" Storm Pipe, with Type I Bedding	140	FT
901	36" Storm Pipe, with Type I Bedding	140	FT
901	36" Storm Pipe, with Type I Bedding and Low Strength Mortar Backfill, As Per Plan	100	FT
901	45"x29" Elliptical Storm Pipe, with Type I Bedding	32	FT
SPEC	Concrete Bench Pad, As Per Plan	1	LS
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	Orifice Plate, As Per Plan	1	LS
SPEC	Stone Coated with Bentonite, As Per Plan	15	CY
SPEC	Steel-Backed Timber Guardrail	60	LF
SPEC	Root Pruning, As Per Plan	1	LS

REVISIONS

MARK DATE DESCRIPTION

CITY OF DUBLIN

CITY OF DUBLIN, FRANKLIN COUNTY, OHIO

PLAN

FOR

EARLINGTON PARK DRAINAGE BASIN IMPROVEMENTS

LEGEND, DETAILS & ESTIMATION OF QUANTITIES



DATE

JUNE 2025

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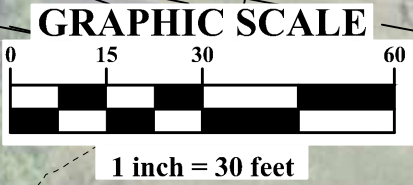
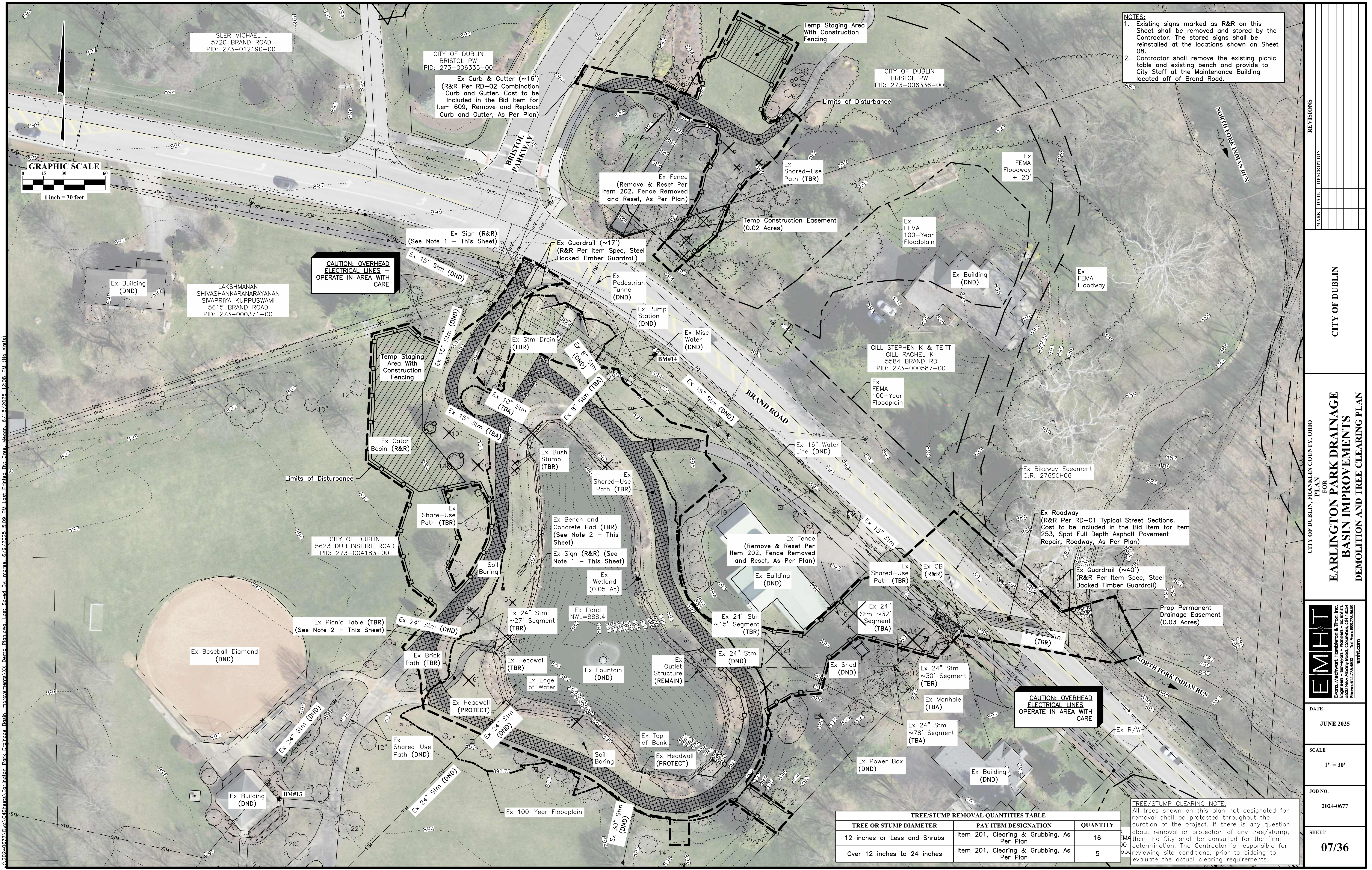
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SHEET

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- NOTES:
- Existing signs marked as R&R on this Sheet shall be removed and stored by the Contractor. The stored signs shall be reinstalled at the locations shown on Sheet 08.
 - Contractor shall remove the existing picnic table and existing bench and provide to City Staff at the Maintenance Building located off of Brand Road.

CAUTION: OVERHEAD ELECTRICAL LINES - OPERATE IN AREA WITH CARE

CAUTION: OVERHEAD ELECTRICAL LINES - OPERATE IN AREA WITH CARE

TREE/STUMP REMOVAL QUANTITIES TABLE		
TREE OR STUMP DIAMETER	PAY ITEM DESIGNATION	QUANTITY
12 inches or Less and Shrubs	Item 201, Clearing & Grubbing, As Per Plan	16
Over 12 inches to 24 inches	Item 201, Clearing & Grubbing, As Per Plan	5

TREE/STUMP CLEARING NOTE:
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

PLAN FOR

EARLINGTON PARK DRAINAGE BASIN IMPROVEMENTS

DEMOLITION AND TREE CLEARING PLAN

DATE

JUNE 2025

SCALE

1" = 30'

JOB NO.

2024-0677

SHEET

07/36

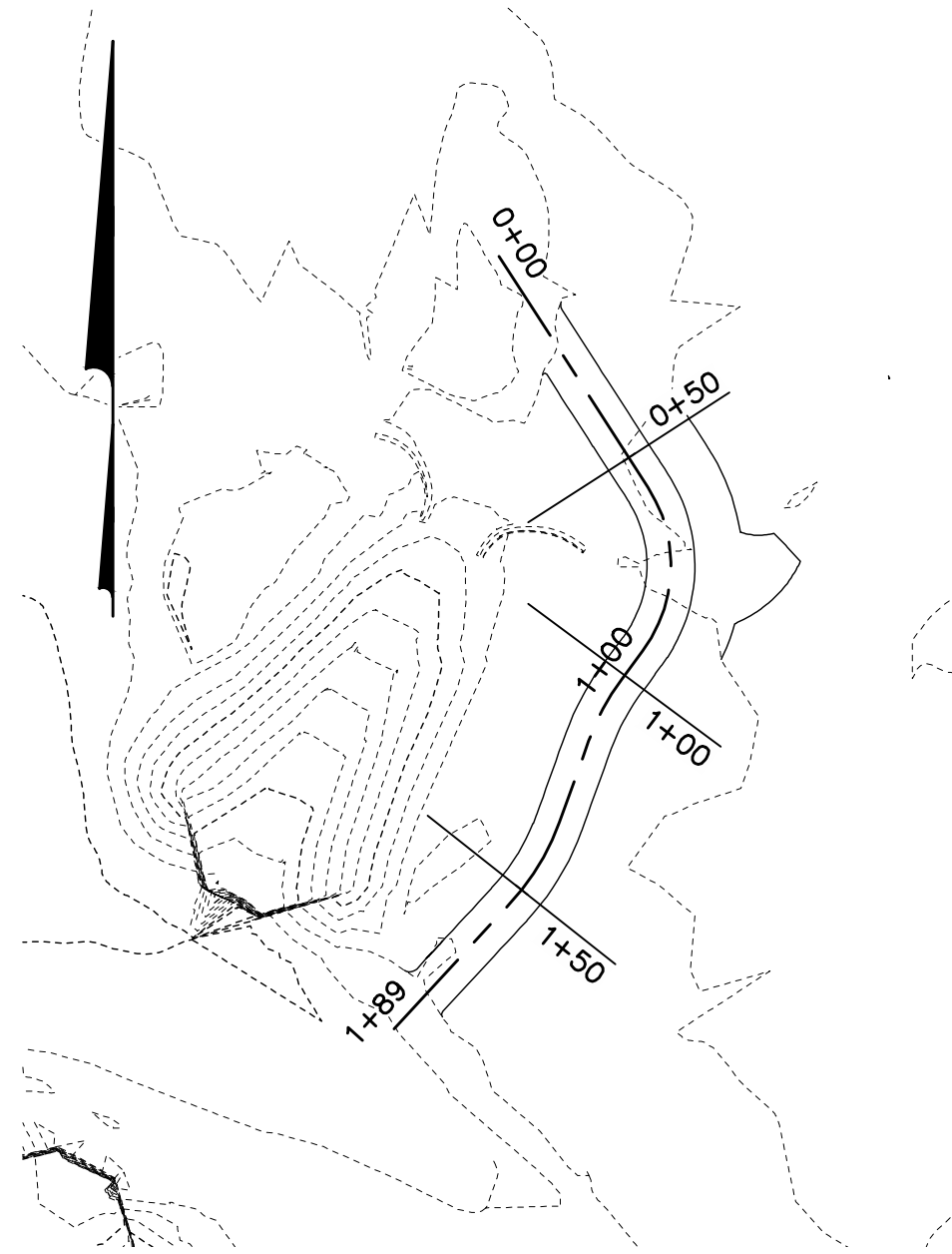
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614.291.1100
www.emht.com

CITY OF DUBLIN, FRANKLIN COUNTY, OHIO

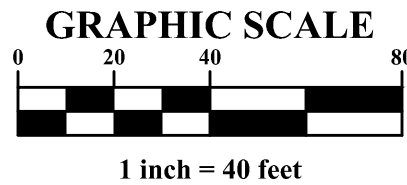
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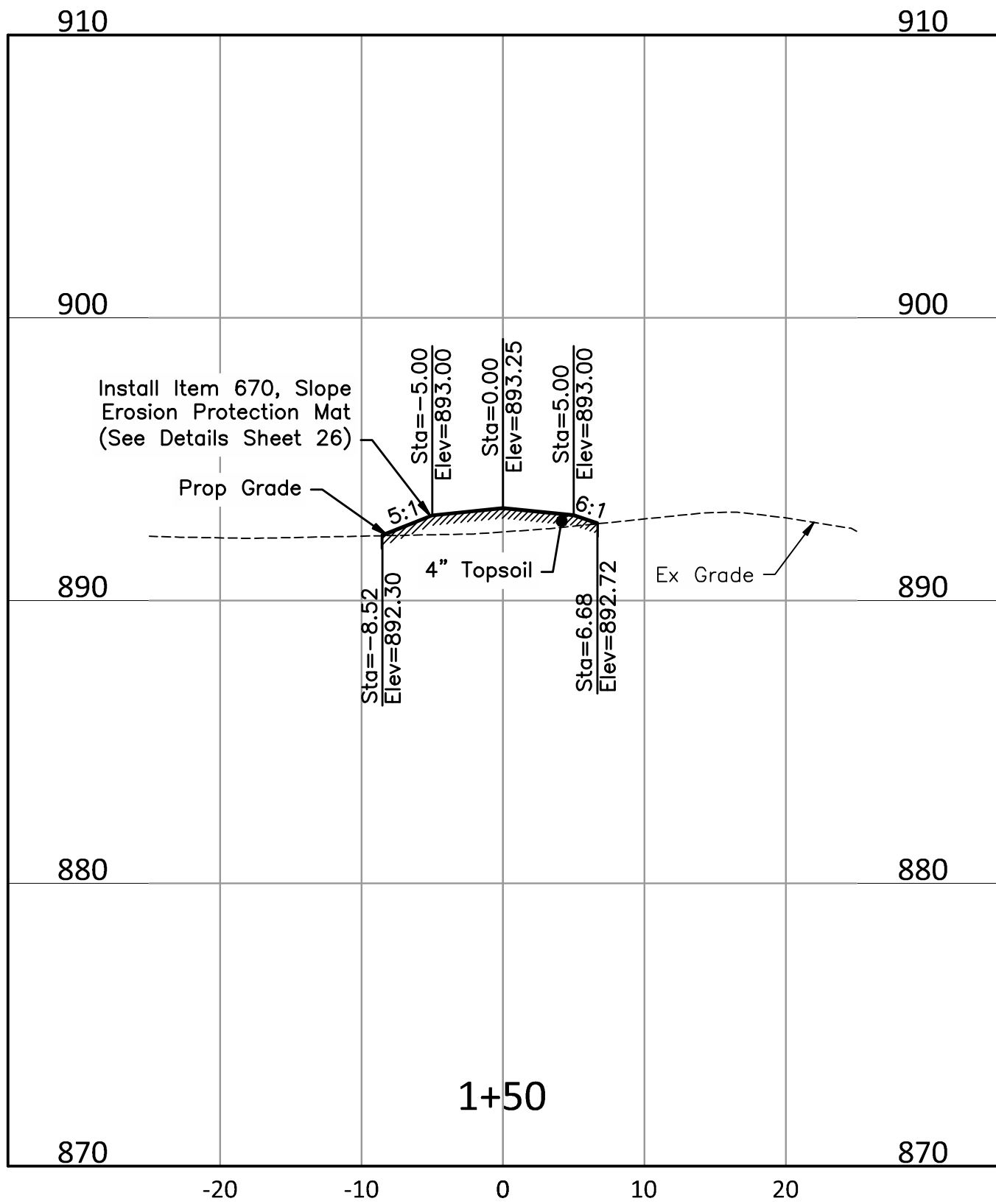
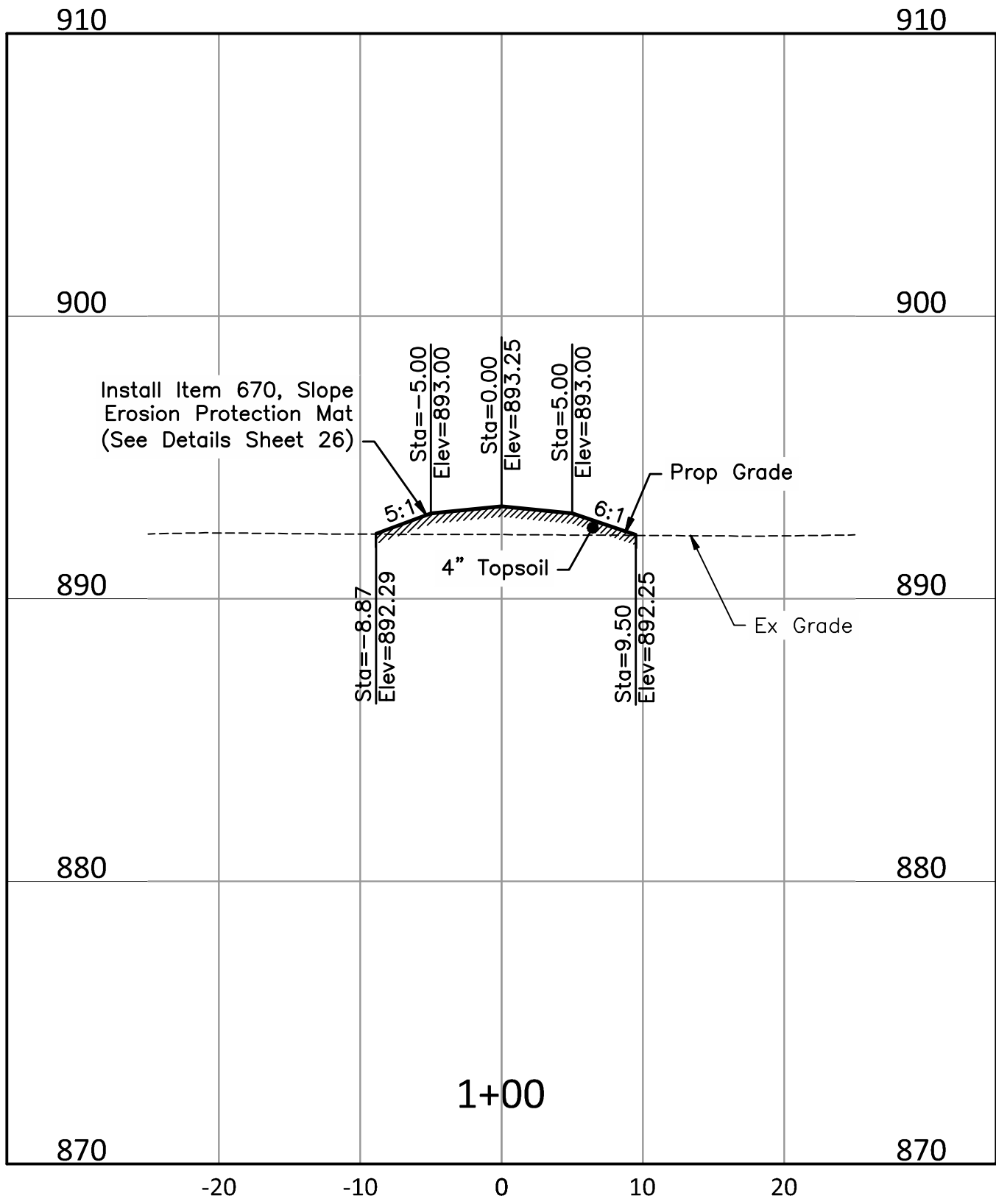
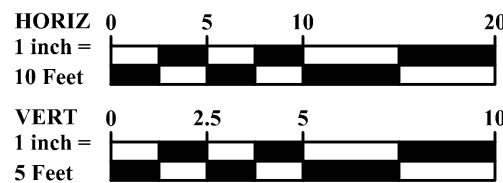
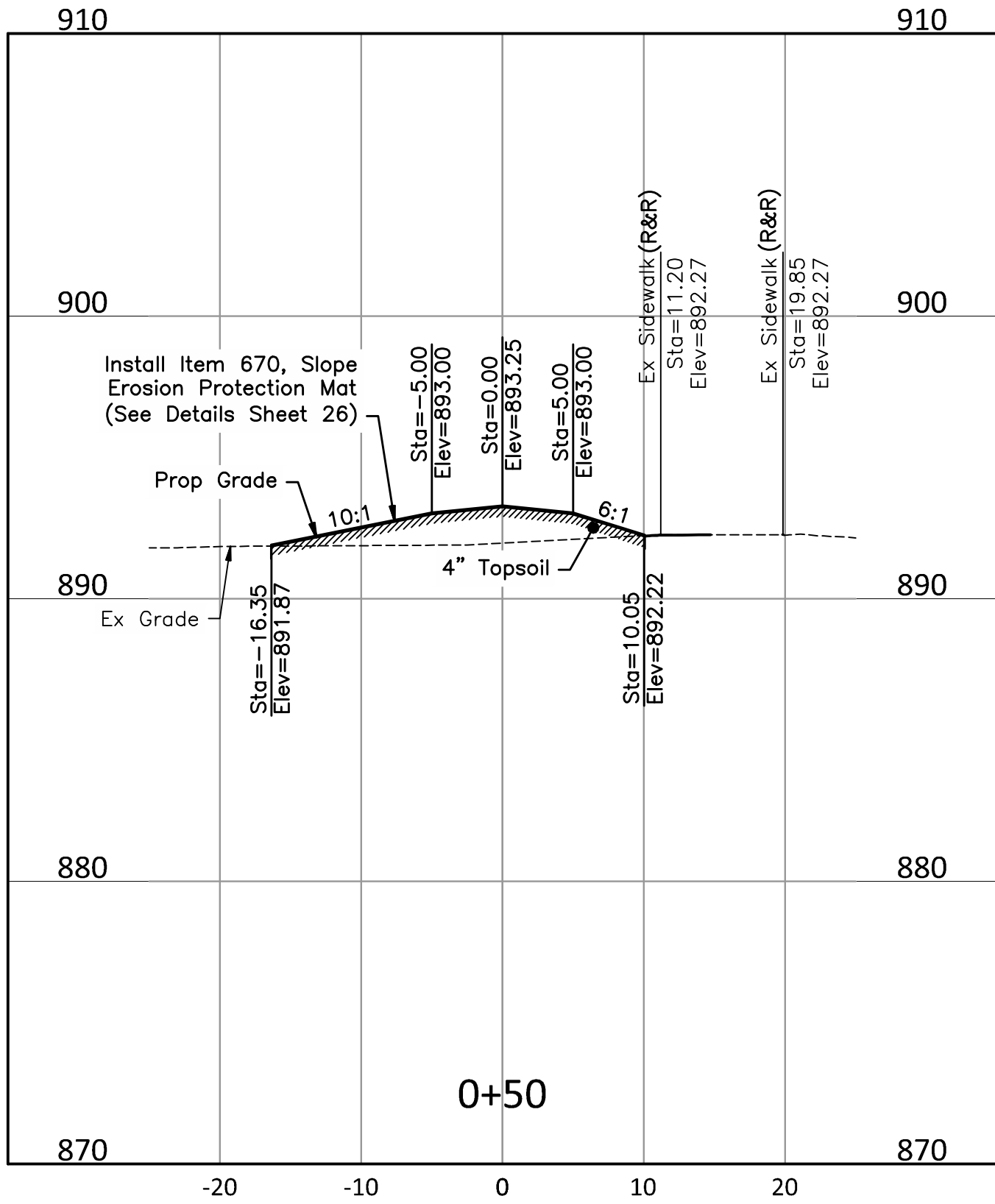


Cross Section Index Map

1" = 40"



CROSS SECTION COORDINATE TABLE						
CROSS SECTION ID	STARTING POINT NORTHING	STARTING POINT EASTING	BEARING	DISTANCE	END POINT NORTHING	END POINT EASTING
0+50	775087.3997'	1788806.0706'	N57°10'57"E	50.000	775114.4979'	1788848.0907'
1+00	775070.4508'	1788806.1377'	S53°26'49"E	50.000	775040.6724'	1788846.3029'
1+50	775028.7760'	1788781.9297'	S51°36'53"E	54.058	774995.2090'	1788824.3030'



NOTES:

SLOPE EROSION PROTECTION MAT:

The specified slope erosion protection mat shall meet the specifications identified on this plan, unless otherwise approved by the Engineer.

The slope erosion protection mat rolls shall be furnished with suitable wrapping for protection against moisture and extended ultraviolet exposure prior to placement. Each roll shall be labeled or tagged to provide product identification sufficient for field inventory and quality control purposes. Rolls shall be stored in a manner which provides identification, as well as protection from the elements. If stored outdoors, the rolls shall be elevated and protected with a waterproof cover.

INSTALLATION:

- Item 670, Slope Erosion Protection Mat, As Per Plan shall be installed as depicted in the North Embankment Cross Sections on this sheet and Installation Detail (Sheet 27).

- Stake matting to soil at density of 1.15 staples per square yard.

SEEDING:

See seeding notes on Sheets 04 and seeding zones and native grass seeding tables on Sheet 29.

TOPSOIL:

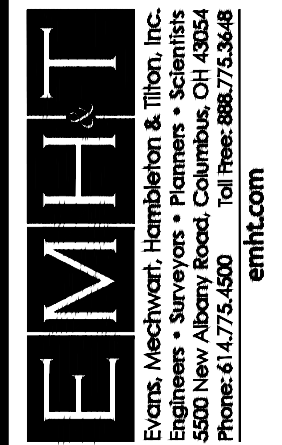
See topsoil notes on Sheet 04. Depth of topsoil placed shall be as follows:

Side slopes (as shown in the North Embankment Cross Sections on this sheet):
- 4" Min

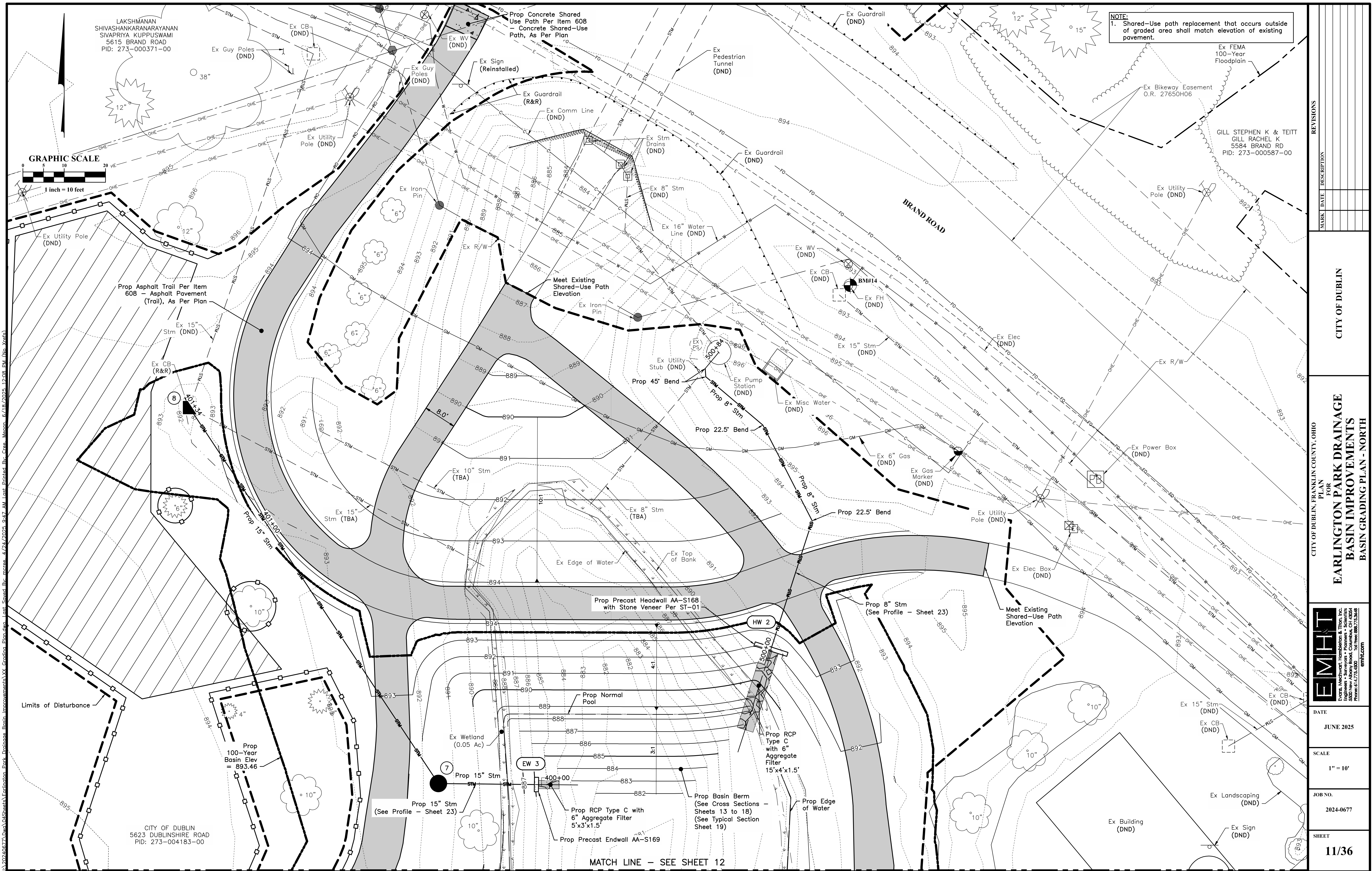
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CITY OF DUBLIN

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PLAN
FOR
**EARLINGTON PARK DRAINAGE
BASIN IMPROVEMENTS**
NORTH EMBANKMENT CROSS SECTIONS

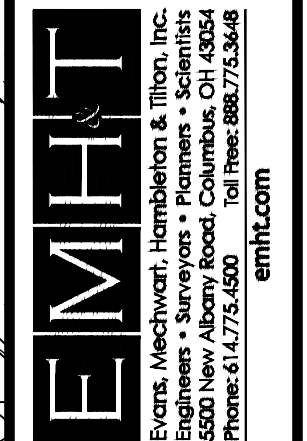


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PLAN
FOR
**PEARLINGTON PARK DRAINAGE
BASIN IMPROVEMENTS**
BASIN GRADING PLAN - NORTH



DATE

JUNE 2025

SCALE

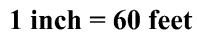
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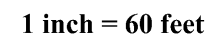
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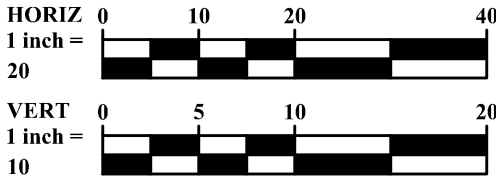
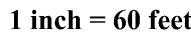
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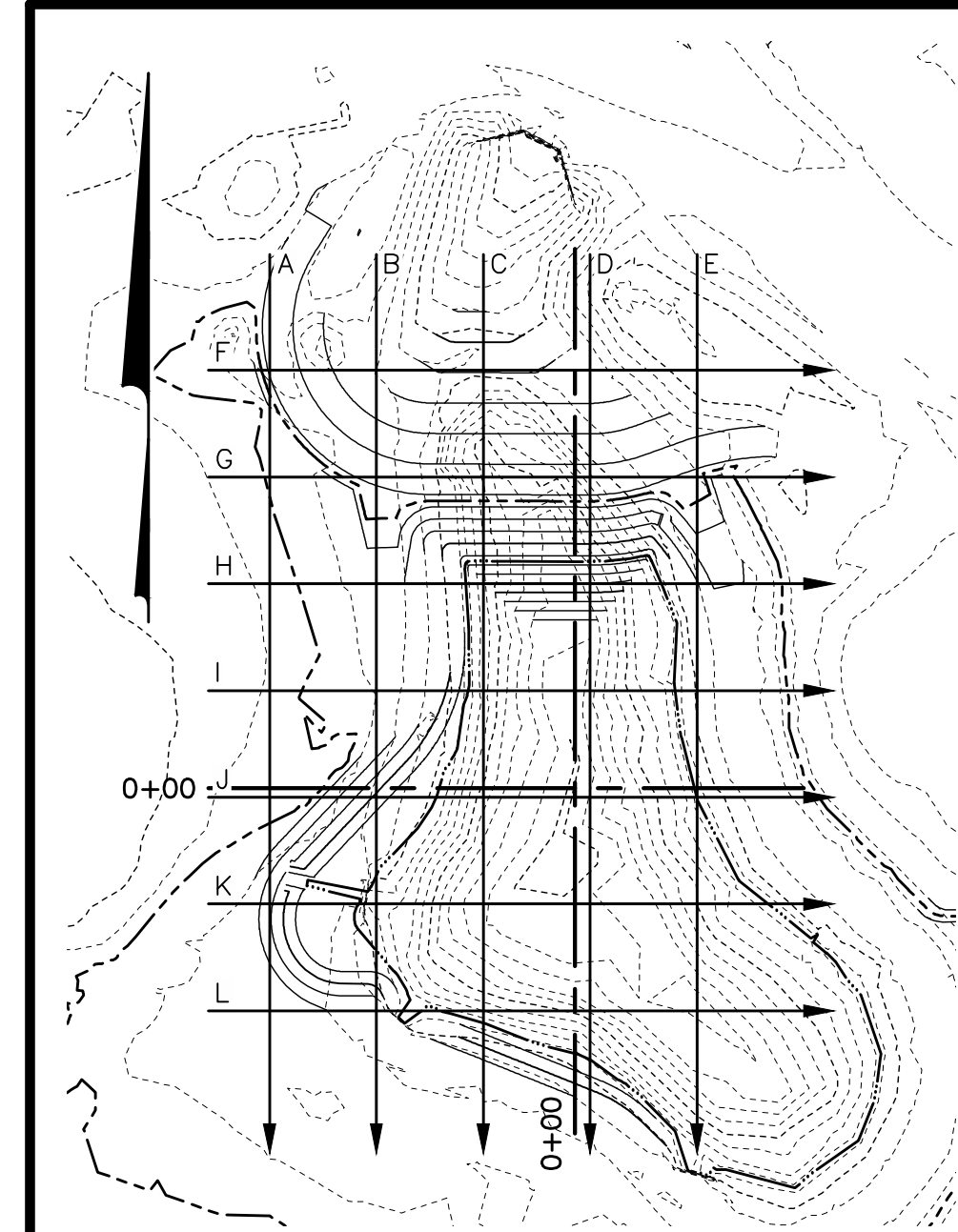
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VERT 0 5 10 20
1 inch = 10

SHEET

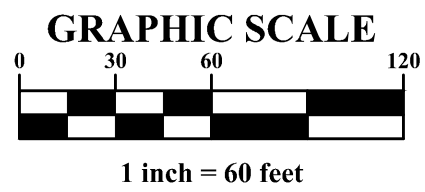
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Cross Section Index Map

1" = 60"

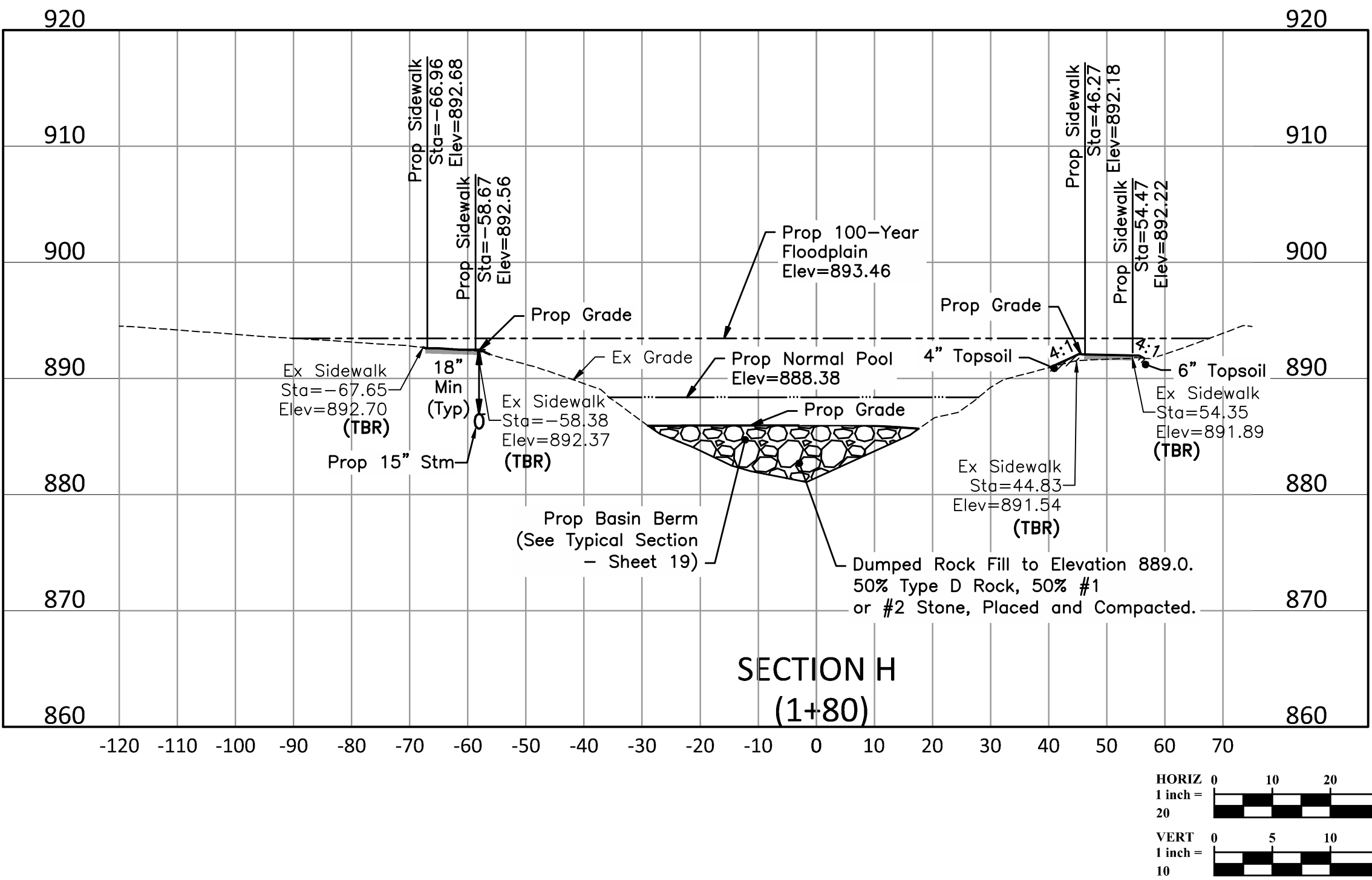
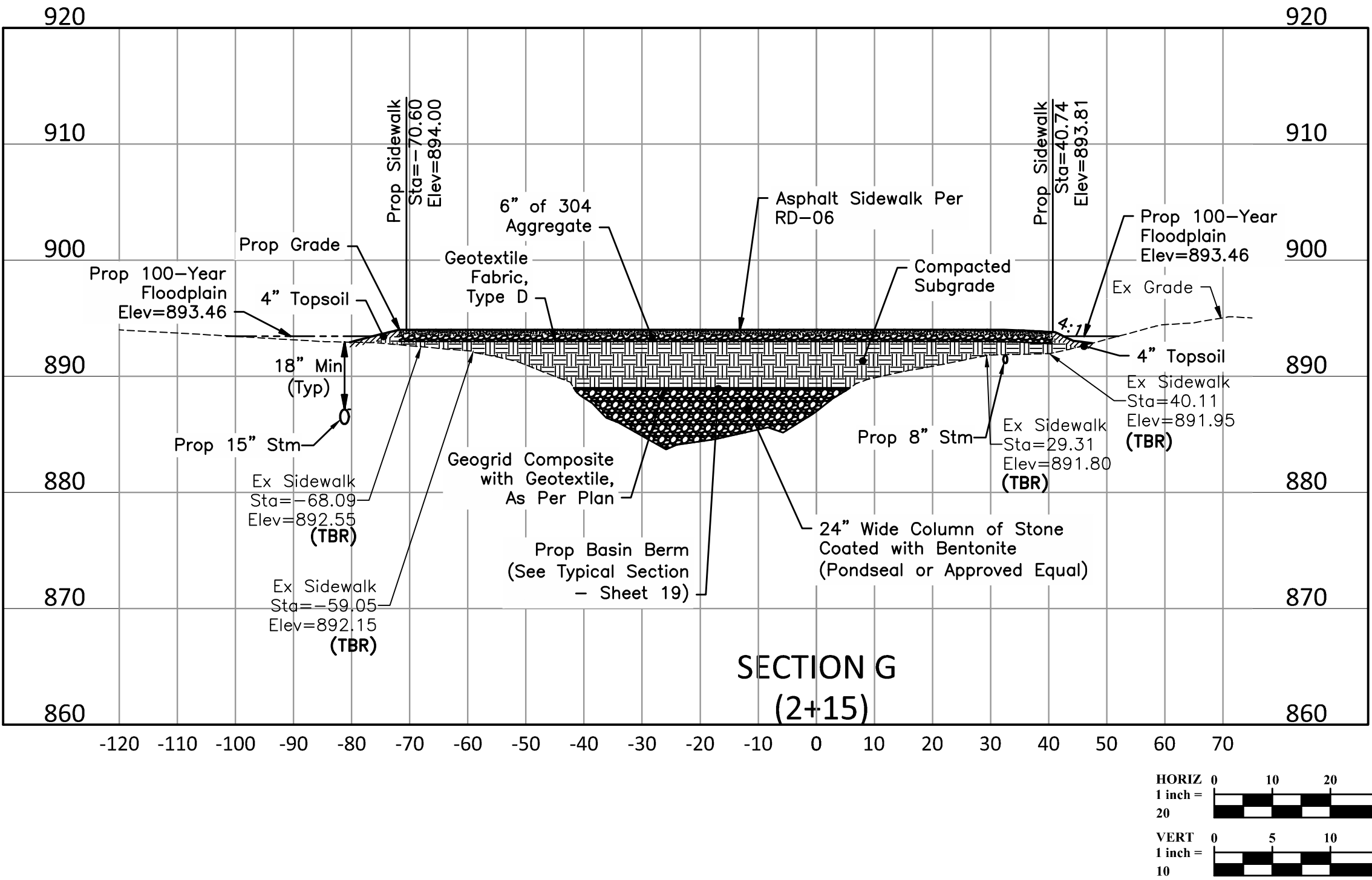


VERTICAL ALIGNMENT
BASELINE GEOMETRY TABLE

STARTING POINT NORTHING	STARTING POINT EASTING	BEARING	DISTANCE
774628.0902'	1788724.7635'	N00°00'00"E	290.00'

CROSS SECTION COORDINATE TABLE

CROSS SECTION ID	STARTING POINT NORTHING	STARTING POINT EASTING	BEARING	DISTANCE	END POINT NORTHING	END POINT EASTING
A	774916.3495'	1788624.7635'	S00°00'00"E	285.000	774631.3495'	1788624.7635'
B	774916.3495'	1788659.7635'	S00°00'00"E	285.000	774631.3495'	1788659.7635'
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I	774773.3495'	1788604.7635'	N90°00'00"E	195.000	774773.3495'	1788799.7635'
J	774738.3495'	1788604.7635'	N90°00'00"E	195.000	774738.3495'	1788799.7635'
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L	774668.3495'	1788604.7635'	N90°00'00"E	195.000	774668.3495'	1788799.7635'



REVISIONS

MARK DATE DESCRIPTION

CITY OF DUBLIN

CITY OF DUBLIN, FRANKLIN COUNTY, OHIO
PLAN
FOR
EARLINGTON PARK DRAINAGE
BASIN IMPROVEMENTS
BASIN CROSS SECTIONS

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DATE

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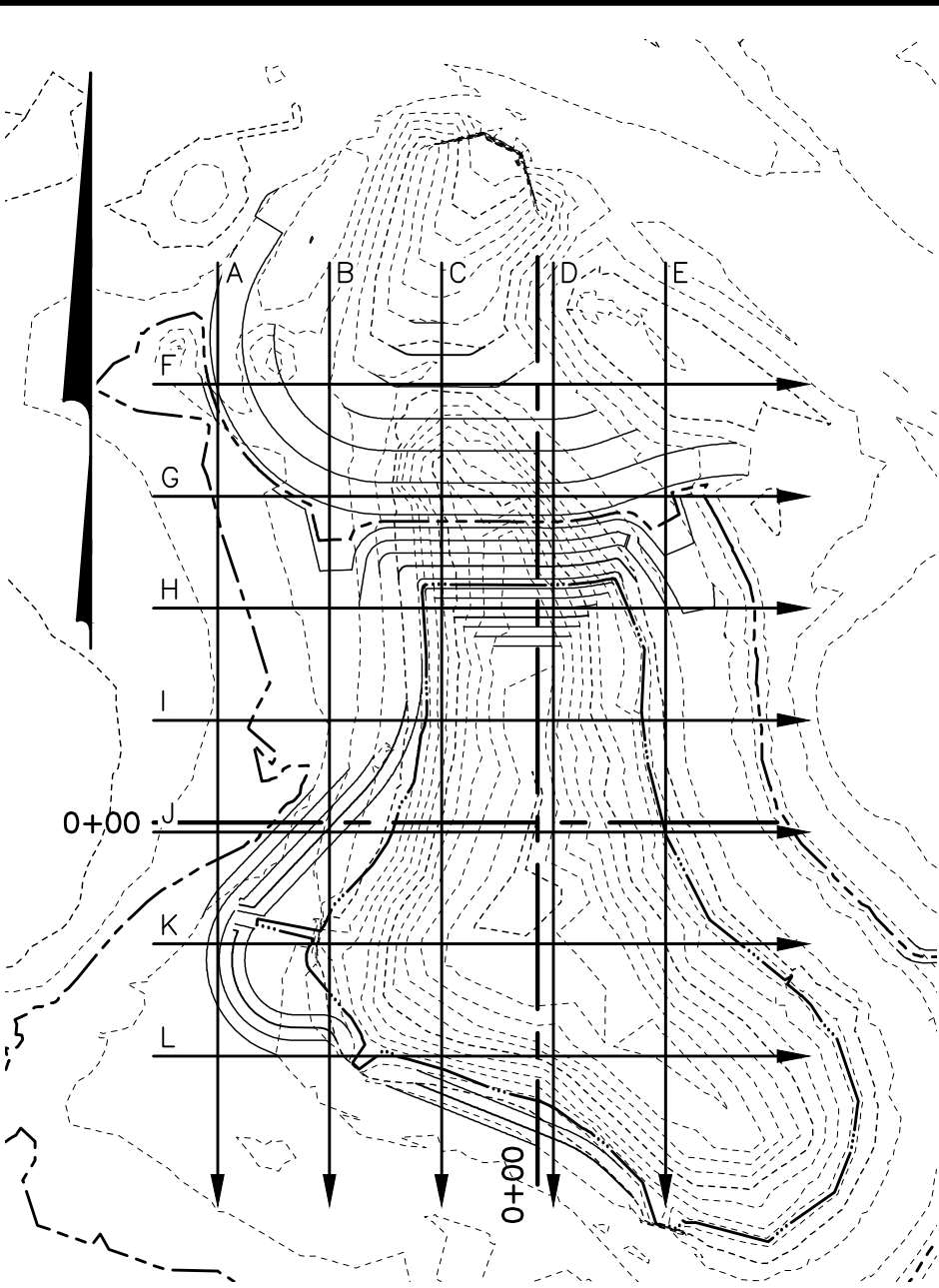
JOB NO.

2024-0677

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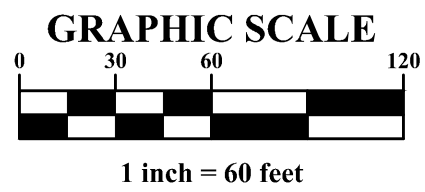
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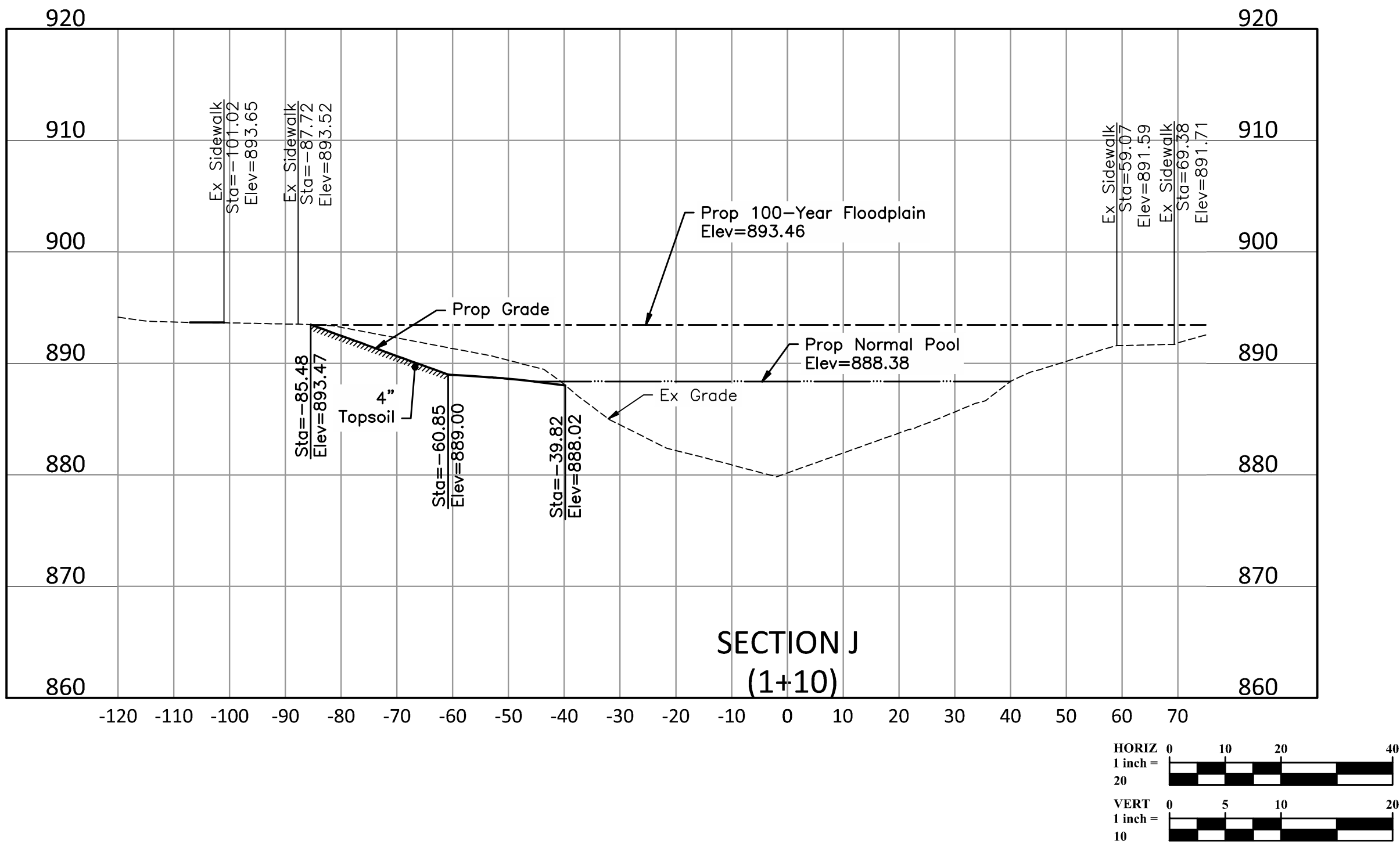
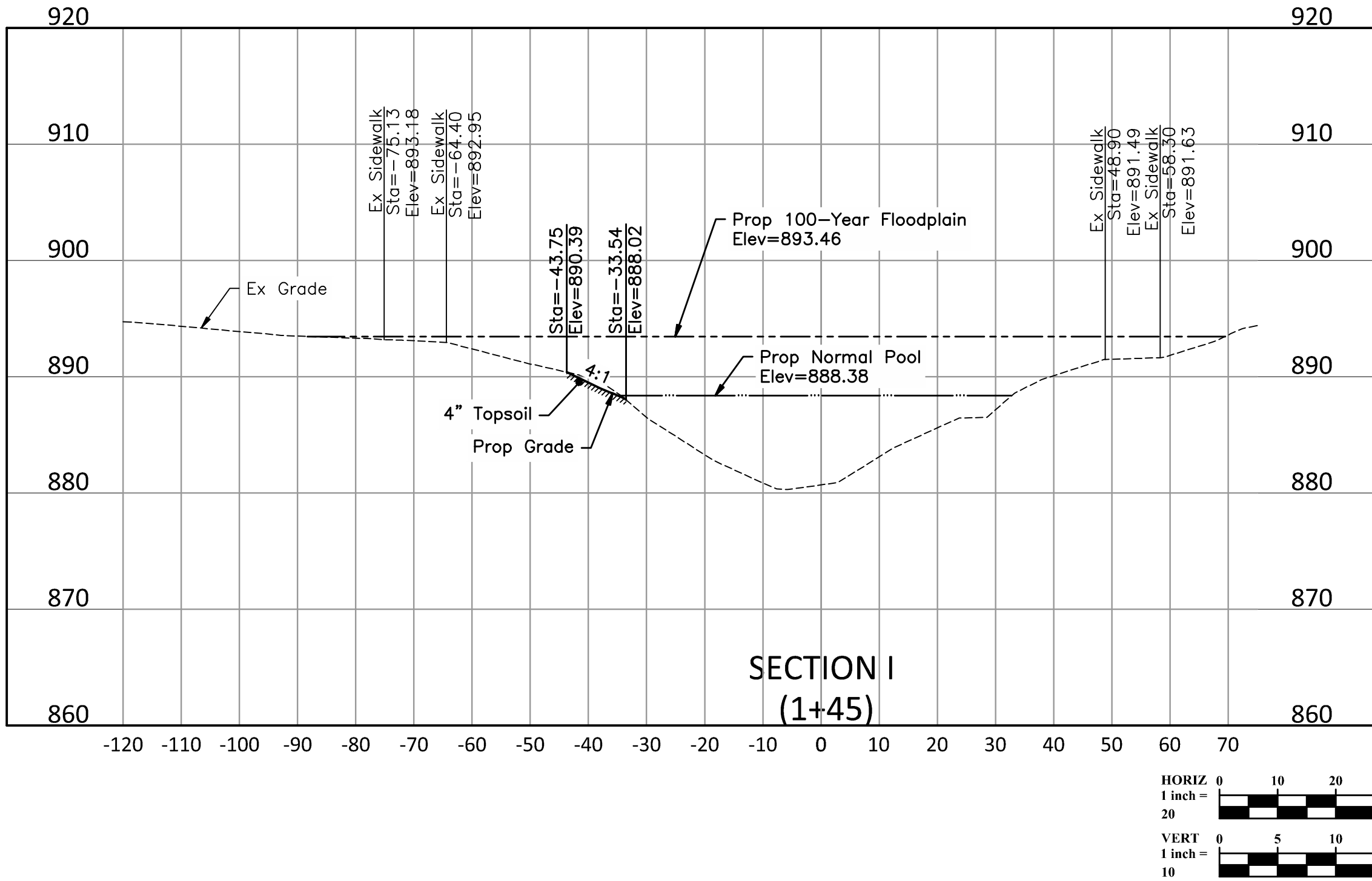
Cross Section Index Map

1" = 60"



VERTICAL ALIGNMENT BASELINE GEOMETRY TABLE			
STARTING POINT NORTHING	STARTING POINT EASTING	BEARING	DISTANCE
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REVISIONS		
MARK	DATE	DESCRIPTION

CITY OF DUBLIN

CITY OF DUBLIN, FRANKLIN COUNTY, OHIO
FOR
EARLINGTON PARK DRAINAGE
BASIN IMPROVEMENTS
BASIN CROSS SECTIONS

EMHT

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Phone: 614.775.5500 Fax: 614.775.3446
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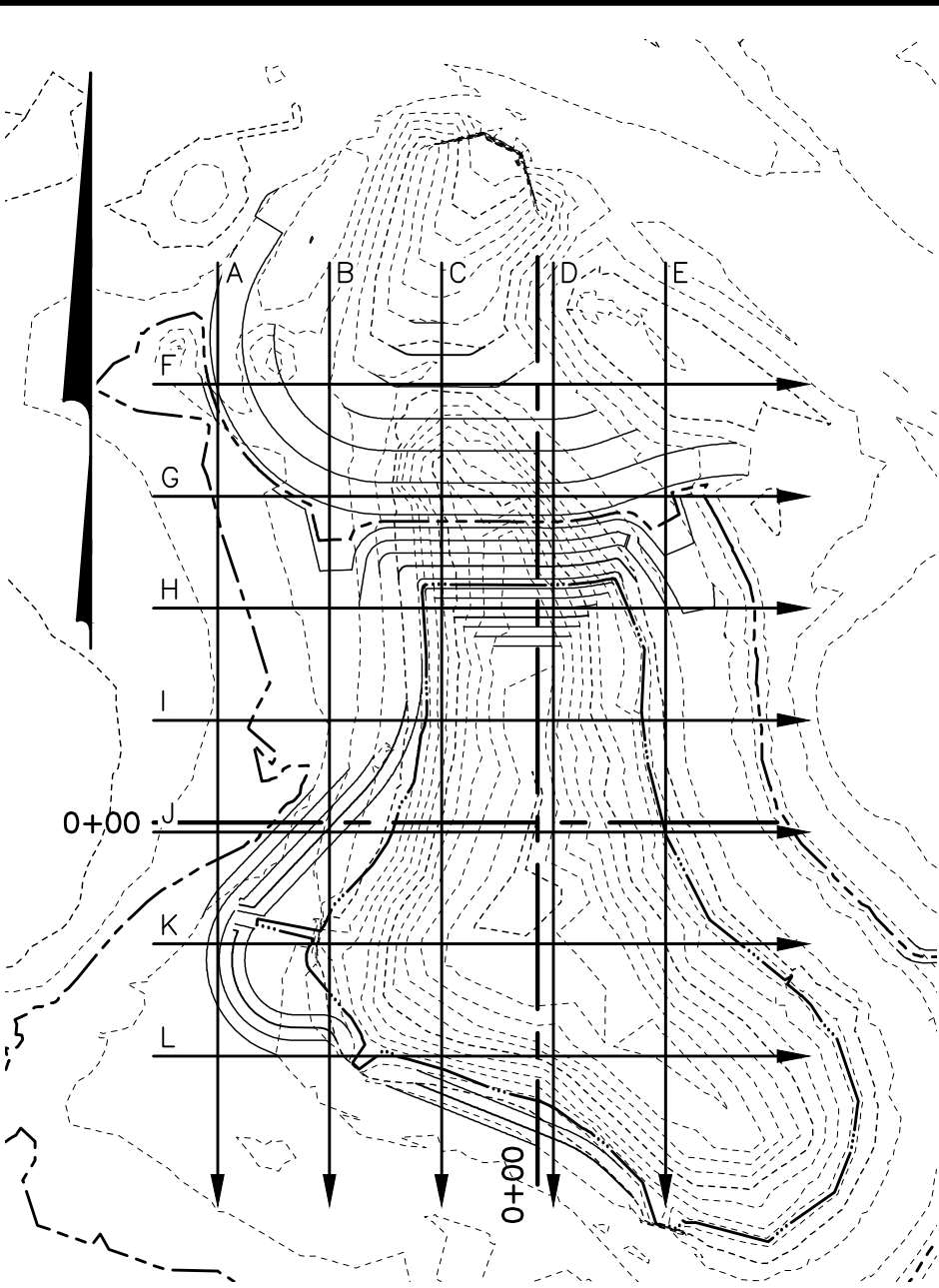
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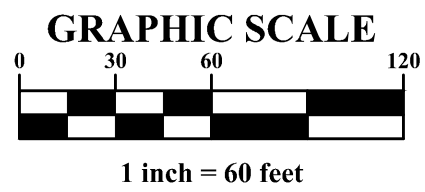
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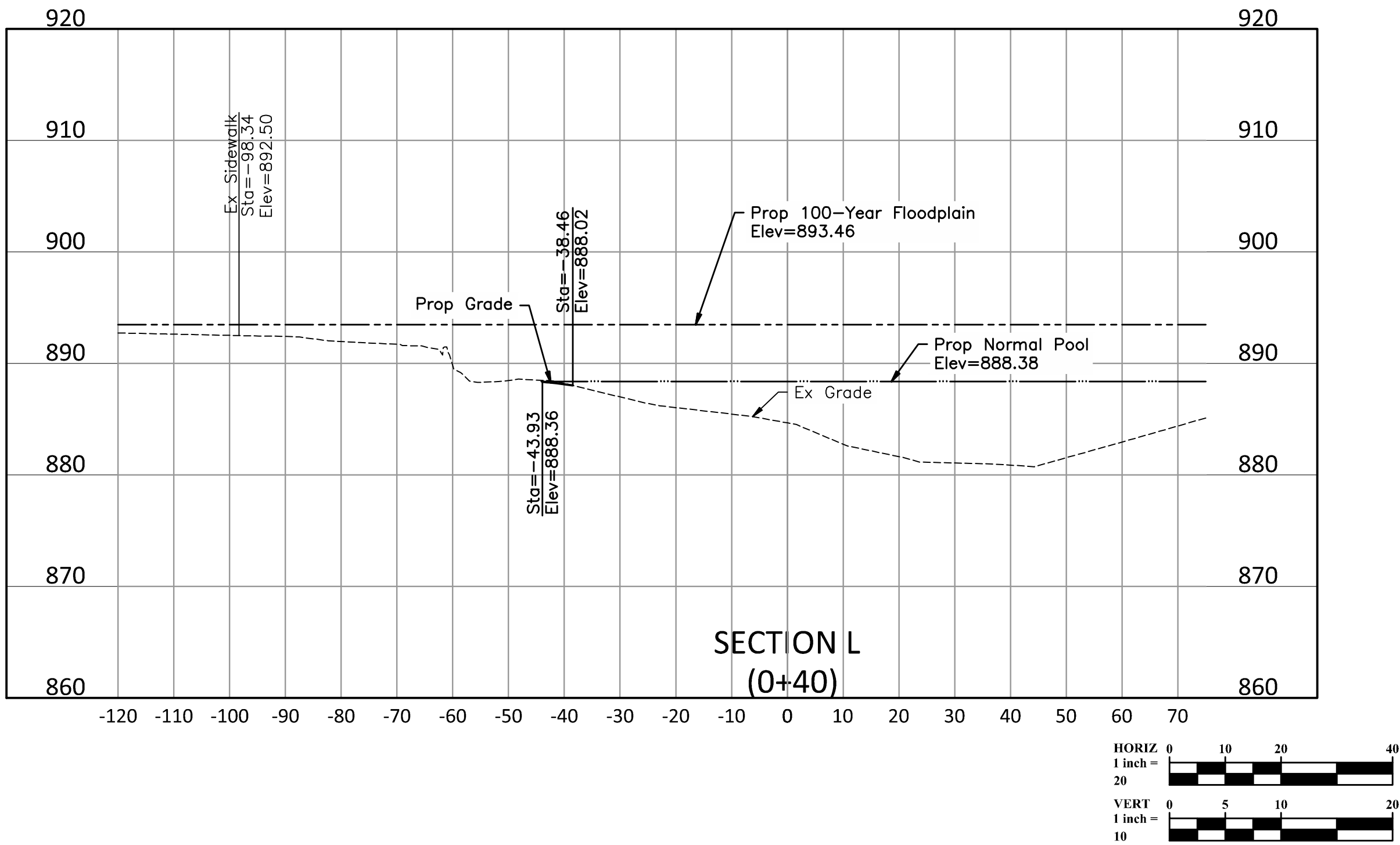
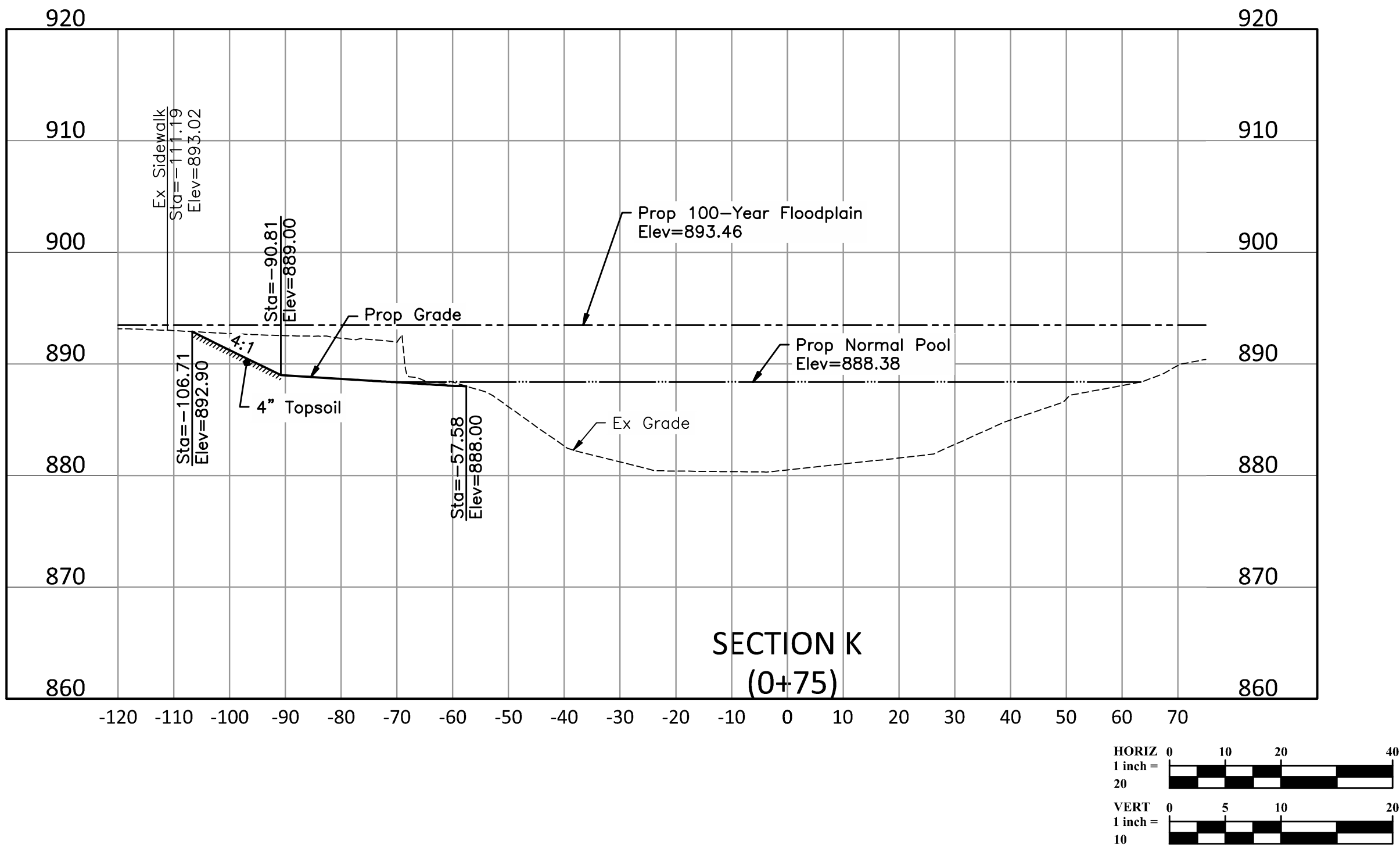
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REVISIONS	
MARK	DESCRIPTION

CITY OF DUBLIN

CITY OF DUBLIN, FRANKLIN COUNTY, OHIO
PLAN
FOR
EARLINGTON PARK DRAINAGE
BASIN IMPROVEMENTS
BASIN CROSS SECTIONS

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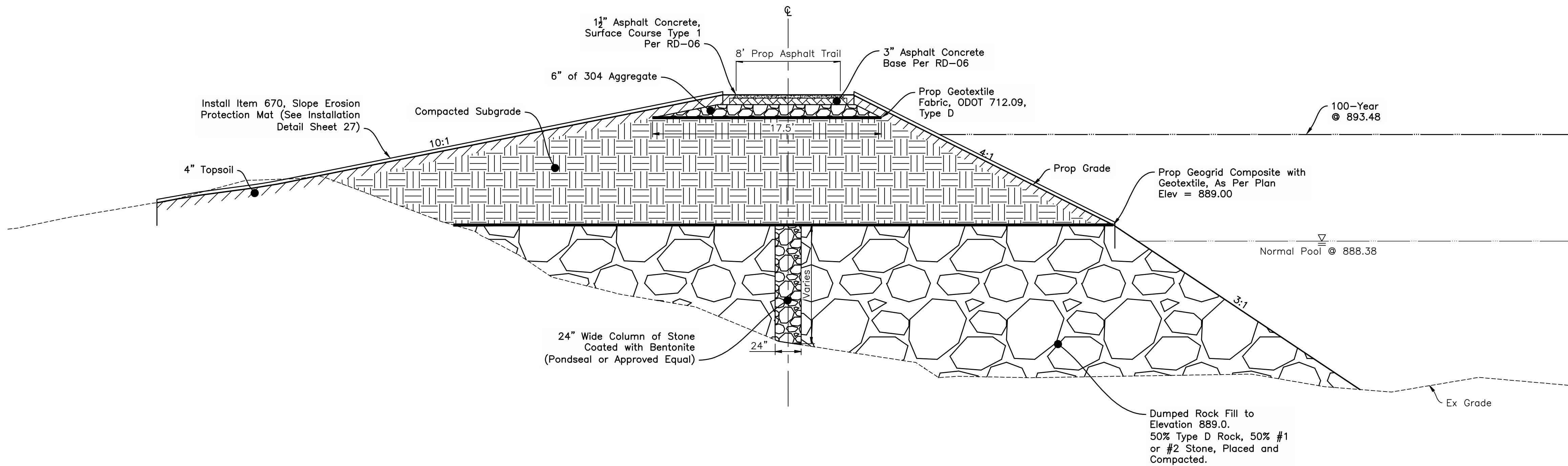
DATE
JUNE 2025

SCALE
AS NOTED

JOB NO.
2024-0677

SHEET
18/36

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DETAIL
BASIN BERM TYPICAL SECTION

NOT TO SCALE

TYPICAL SECTION NOTES:

GEOGRID AND GEOTEXTILE FABRIC:

The specified geogrid and geotextile fabric shall meet the specifications identified on this plan, unless otherwise approved by the Engineer. The specified geogrid composite with geotextile shall be Tensar NX850-FG, or approved equal. The specified standalone geotextile fabric shall be from the Ohio Department of Transportation (ODOT) approved list and meet the requirements of ODOT Item 712.09, Type D.

The geogrid and geotextile rolls shall be furnished with suitable wrapping for protection against moisture and extended ultraviolet exposure prior to placement. Each roll shall be labeled or tagged to provide product identification sufficient for field inventory and quality control purposes. Rolls shall be stored in a manner which provides identification, as well as protection from the elements. Protect geogrid from direct sunlight, and do not store directly on the ground.

INSTALLATION:

- Item 712, Geogrid Composite with Geotextile, As Per Plan shall be installed as depicted in the Basin Berm Typical Section Detail on this Sheet.
- Item 712, Geotextile Fabric, ODOT 712.09, Type D shall be installed as depicted in the Basin Berm Typical Section on this Sheet.
- Install geotextile fabric and geogrid flush against the compacted ground. Provide anchor trenches and pins per manufacturer's recommendations.

SLOPE EROSION PROTECTION MAT:

The specified slope erosion protection mat shall meet the specifications identified on this plan, unless otherwise approved by the Engineer.

The slope erosion protection mat rolls shall be furnished with suitable wrapping for protection against moisture and extended ultraviolet exposure prior to placement. Each roll shall be labeled or tagged to provide product identification sufficient for field inventory and quality control purposes. Rolls shall be stored in a manner which provides identification, as well as protection from the elements. If stored outdoors, the rolls shall be elevated and protected with a waterproof cover.

INSTALLATION:

- Item 670, Slope Erosion Protection Mat, As Per Plan shall be installed as depicted in the Basin Berm Typical Section Detail on this Sheet and Installation Detail (Sheet 27).
- Stake matting to soil at density of 1.15 staples per square yard.

SEEDING:

See seeding notes on Sheets 04 and seeding zones and native grass seeding tables on Sheet 29.

TOPSOIL:

See topsoil notes on Sheet 04. Depth of topsoil placed shall be as follows:

Side slopes (as shown in the Basin Berm Typical Section Detail on this sheet):
- 4" Min

BASIN BERM INSTALLATION NOTES:

- The Contractor may lower the basin normal pool elevation to facilitate the work. Refer to Item Spec., Dewatering, As Per Plan on Sheet 04.
- The Contractor shall begin by placing dumped rock fill or concrete rubble directly into the water to build up a platform to an elevation of 889.00. A 24" wide column of stone coated with bentonite (Pondseal® or approved equal) shall be placed concurrently with the rock fill material.
- Once an elevation of 889.00 is reached, the Contractor shall compact the dumped material using a vibratory roller.
- A layer of the composite geogrid with geotextile fabric shall be placed over the compacted rock to provide reinforcement.
- After the installation of the composite geogrid with geotextile fabric, begin placing fine-grained fill soil directly on top in accordance with ODOT Item 203 until final elevation is reached.

REVISIONS	
MARK	DESCRIPTION

CITY OF DUBLIN

CITY OF DUBLIN, FRANKLIN COUNTY, OHIO FOR EARLINGTON PARK DRAINAGE BASIN IMPROVEMENTS BASIN BERM TYPICAL SECTION
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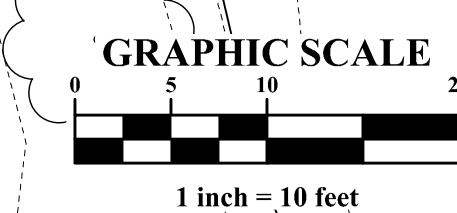
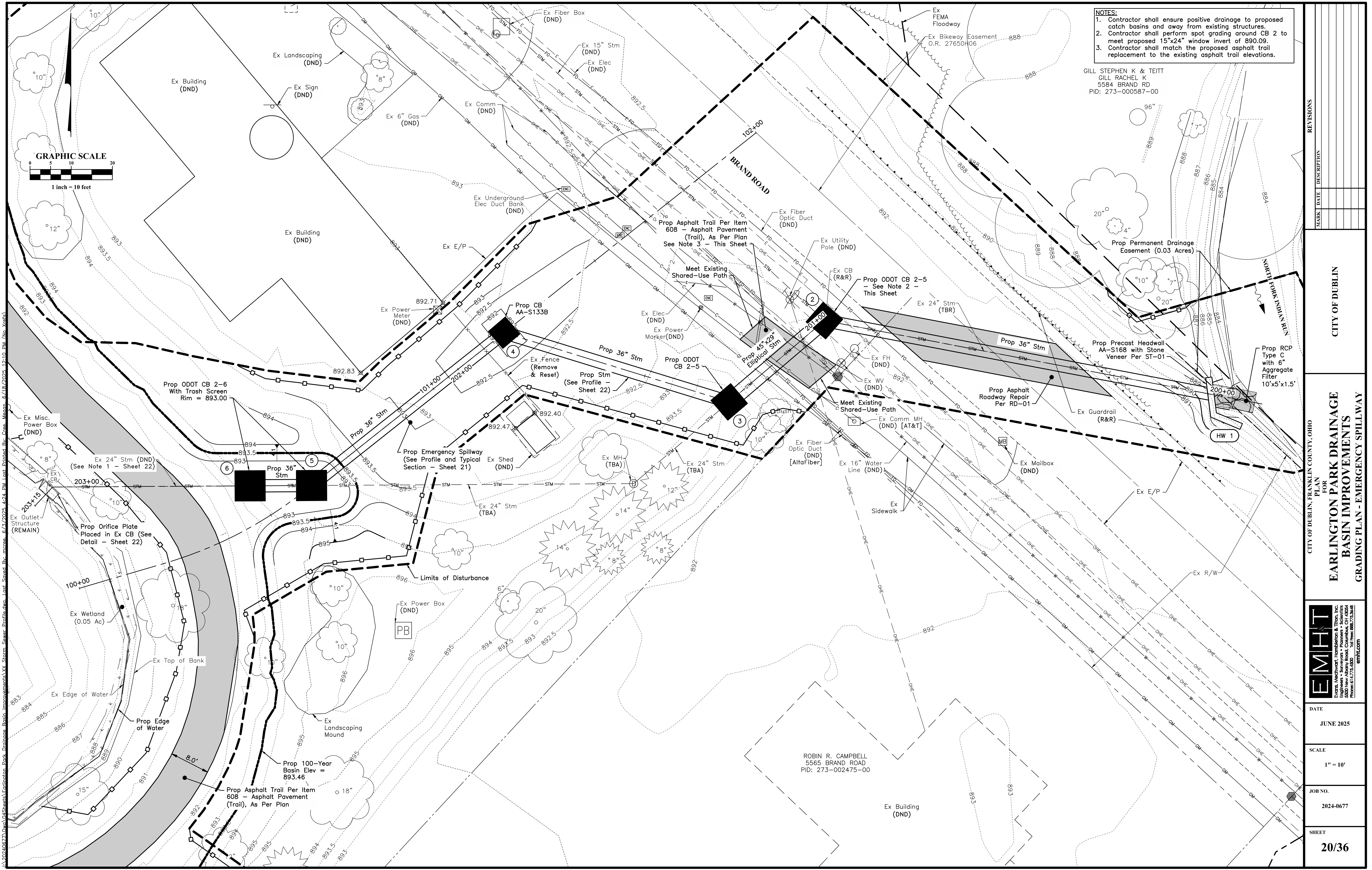
Earl & McHugh Inc.
Engineers • Surveyors • Planners • Scientists
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19/36



- NOTES:**
1. Contractor shall ensure positive drainage to proposed catch basins and away from existing structures.
 2. Contractor shall perform spot grading around CB 2 to meet proposed 15"x24" window invert of 890.09.
 3. Contractor shall match the proposed asphalt trail replacement to the existing asphalt trail elevations.

GILL STEPHEN K & TEITT
GILL RACHEL K
5584 BRAND RD
PID: 273-000587-00

ROBIN R. CAMPBELL
5565 BRAND ROAD
PID: 273-002475-00

REVISIONS	
MARK	DESCRIPTION

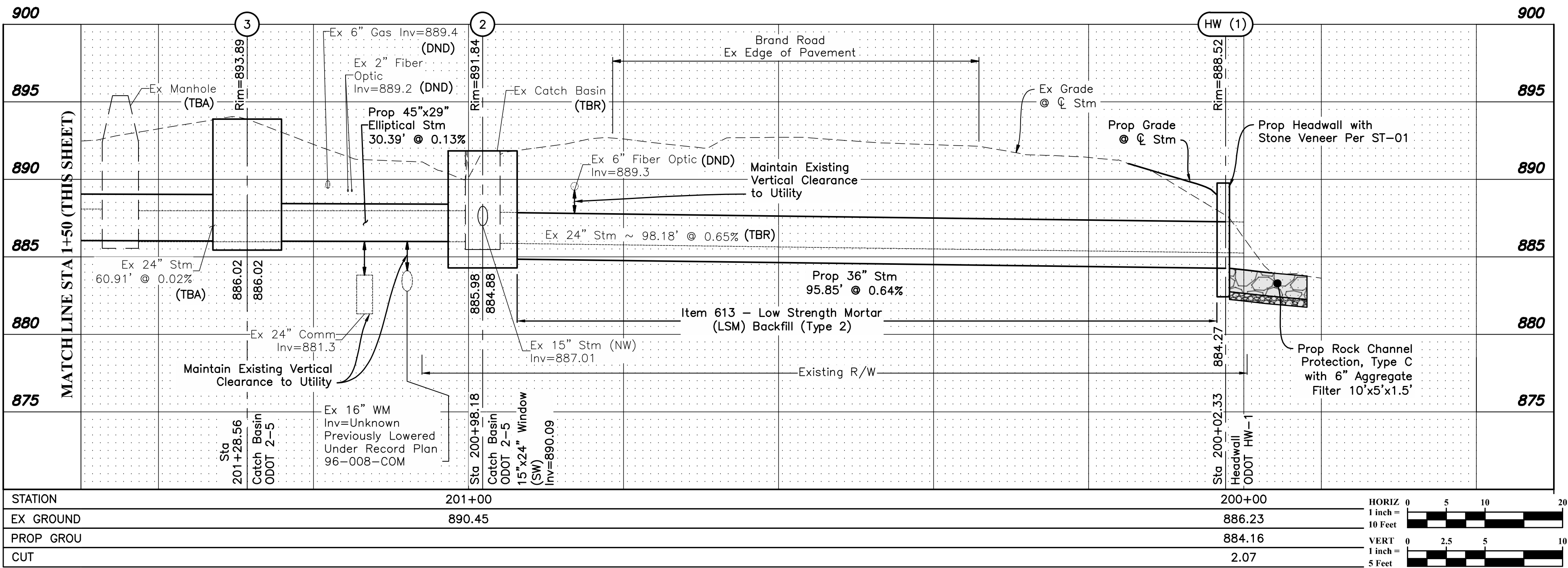
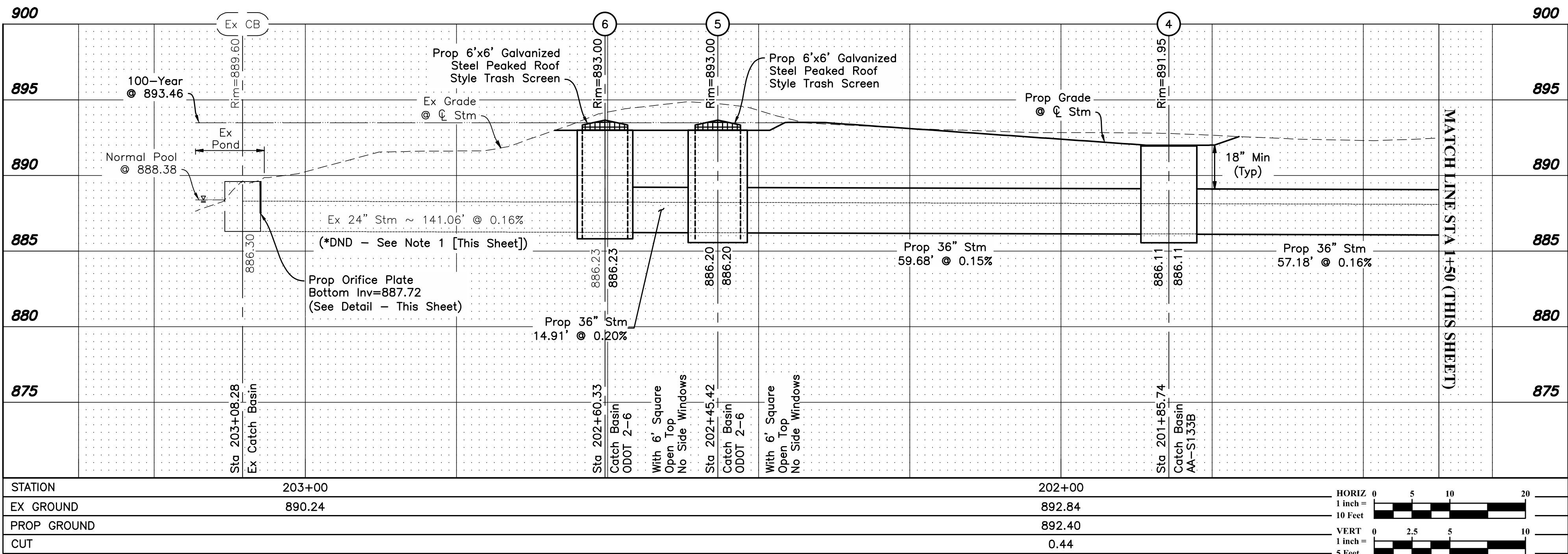
CITY OF DUBLIN

FOR
**EARLINGTON PARK DRAINAGE
BASIN IMPROVEMENTS**
GRADING PLAN - EMERGENCY SPILLWAY

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5875 N. Newland Road, Columbus, OH 43244
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DATE	
JUNE 2025	
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1" = 10'	
JOB NO.	
2024-0677	
SHEET	
20/36	

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EARLINGTON PARK DETENTION BASIN - PROPOSED OUTLET CONTROL	
Normal Pool	888.38 ft.
Top of Basin Embankment	894.00 ft.
1st Stage Outlet	Existing CB Grate (888.38 ft.)
2nd Stage Outlet	Proposed CB 5x6 Grate (893.00 ft.)
Tailwater Control (1st Stage Outlet)	3'-6"x1'-6" Orifice Plate Mounted on Existing 24" Stm, Bottom of Orifice Plate @ Elev. 887.72
Tailwater Control (1st & 2nd Stage Outlets)	36-inch Outlet Pipe with 0.15% Slope, Invert at 886.20 ft.
Emergency Spillway	Berm Between Shed and Maintenance Building (893.50 ft.)

NOTES:

- Orifice plate to be set inside existing outlet structure as indicated on plans.
- Orifice plate shall be sealed on all sides. gaps from $\frac{1}{8}$ " to $\frac{1}{4}$ " in width between the orifice plate and headwall shall be sealed with silicone rubber-based caulk or polyurethane. gaps greater than $\frac{1}{4}$ " shall be sealed with non-shrink grout.

STORM SEWER NOTES:

- The existing 24 inch storm sewer between Ex CB and CB 6 shall remain and be connected to CB 6. The existing 24 inch storm sewer between CB 6 and CB 5 shall be removed and replaced with 36 inch storm sewer by the Contractor. The existing 24" storm sewer between CB 5 and the existing manhole shall be abandoned by the Contractor.
- All circular and elliptical storm sewer pipe specified throughout these plans shall be Reinforced Concrete Pipe unless otherwise noted on these plans.

CITY OF DUBLIN STORM SEWER NOTES:

- The minimum pipe size for private or public storm sewer systems is 12 inches unless authorized by the City Engineer.
- Minimum requirements for public storm sewer pipe:
 - Reinforced Concrete Pipe
 - 12 inch - 15 inch: ASTM C76, Wall B, Class IV
 - 18 inch - 24 inch: ASTM C76, Wall B, Class III
 - 27 inch and larger: ASTM C76, Wall B, Class II
- 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.
- Granular Backfill shall be Compacted Granular Material per Item 912 or Low Strength Mortar Backfill per Item 613, Type II.
- All bedding material shall be in accordance with City of Columbus Standard Construction Drawing AA-S149.
- 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.
- 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 ST-04: "Dump No Waste! Drains to Waterways".
- 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 ST-02.
- 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 ST-01.

EARLINGTON PARK DETENTION BASIN STORMWATER MANAGEMENT TABLE - EXISTING CONDITION

Storm Event (Recurrence Interval)	Peak Inflow Rates (cfs)	Basin Outlet Pipe Peak Flow Rates (cfs)	Basin Overflow Rates to Pedestrian Tunnel (cfs)	Maximum Water Surface Elevation (ft)	Storage Volume Utilized (ac-ft)
1-Year	30.93	16.47	0.00	890.00	5.683
2-Year	38.62	18.37	0.00	890.59	6.033
5-Year	52.18	20.03	8.05	891.11	6.370
10-Year	62.91	21.30	17.70	891.60	6.735
25-Year	75.09	23.68	29.82	892.44	7.501
50-Year	84.29	24.28	37.49	892.63	7.705
100-Year	90.27	24.61	53.60	892.73	7.818

EARLINGTON PARK DETENTION BASIN STORMWATER MANAGEMENT TABLE - PROPOSED CONDITION

Storm Event (Recurrence Interval)	Peak Inflow Rates (cfs)	Basin Outlet Pipe Peak Flow Rates (cfs)	Basin Overflow Rates to Pedestrian Tunnel (cfs)	Maximum Water Surface Elevation (ft)	Storage Volume Utilized (ac-ft)
1-Year	29.64	15.09	0.00	890.23	5.425
2-Year	36.28	16.97	0.00	890.87	5.805
5-Year	49.20	19.51	0.00	891.79	6.441
10-Year	58.87	21.22	0.00	892.46	7.008
25-Year	70.78	33.41	0.00	893.17	7.750
50-Year	79.21	52.62	0.00	893.34	7.959
100-Year	88.42	66.76	0.00	893.46	8.117

STORM SEWER TABLE

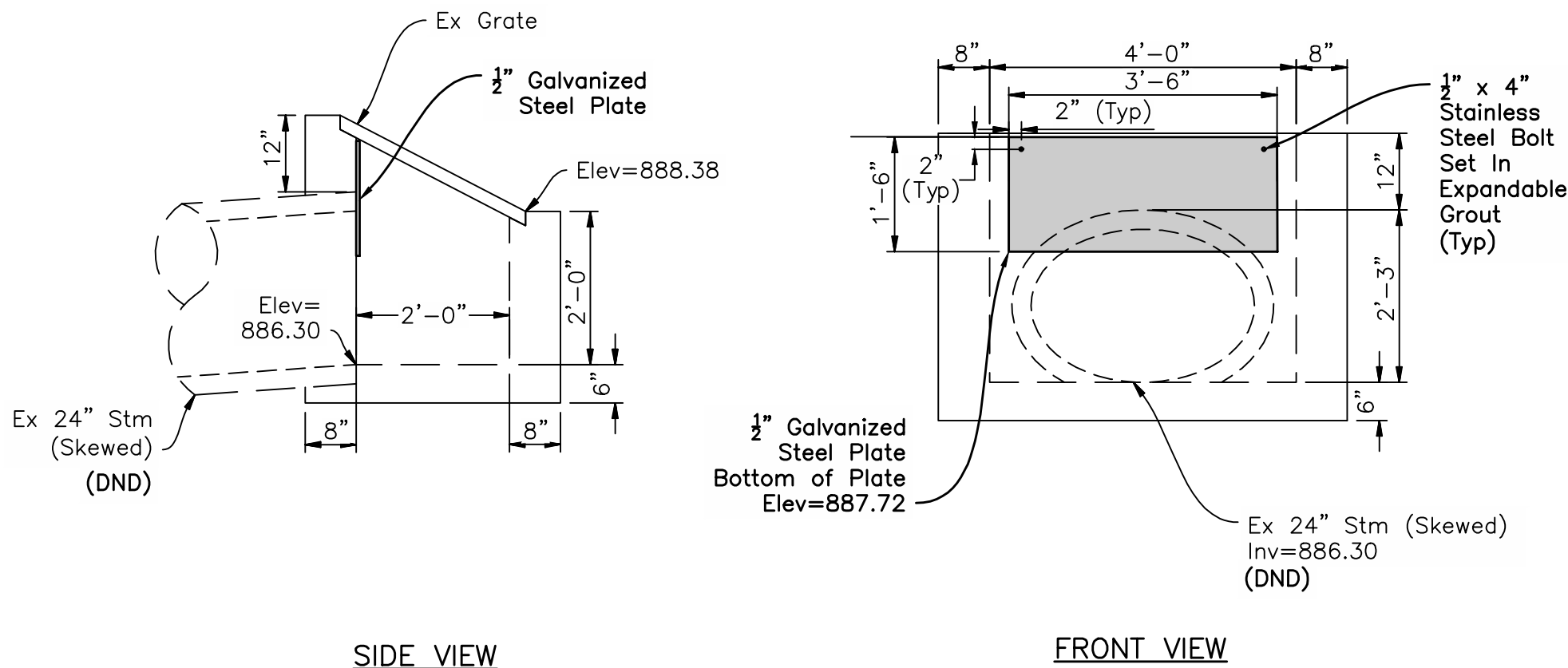
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3-2	N49°28'50"E	30.39'	45"
4-3	S72°54'58"E	57.18'	36"
5-4	N51°34'13"E	59.68'	36"
6-5	N89°39'37"E	14.91'	36"
Ex CB-6	N89°39'37"E	47.95'	24"

STRUCTURE COORDINATES

STRUCTURE #	NORTHING - PLAN	EASTING - PLAN	NORTHING - AS BUILT	EASTING - AS BUILT
HW (1)	774713.6525	1789087.8116		
2	774731.5950	1788993.6610		
3	774711.8532	1788970.5623		
4	774728.6514	1788915.9042		
5	774691.5582	1788869.1543		
6	774691.4698	1788854.2412		
Ex CB	774691.1855	1788806.2965		

DETAIL

ORIFICE PLATE MOUNTING



REVISIONS

MARK DATE DESCRIPTION

CITY OF DUBLIN

CITY OF DUBLIN, FRANKLIN COUNTY, OHIO

FOR
PLAN
EARLINGTON PARK DRAINAGE
BASIN IMPROVEMENTS
STORM SEWER PROFILE

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5800 New Albany Road, Columbus, OH 43254
Phone: 614.775.5500 Toll Free: 888.775.3446
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DATE

JUNE 2025

SCALE

AS NOTED

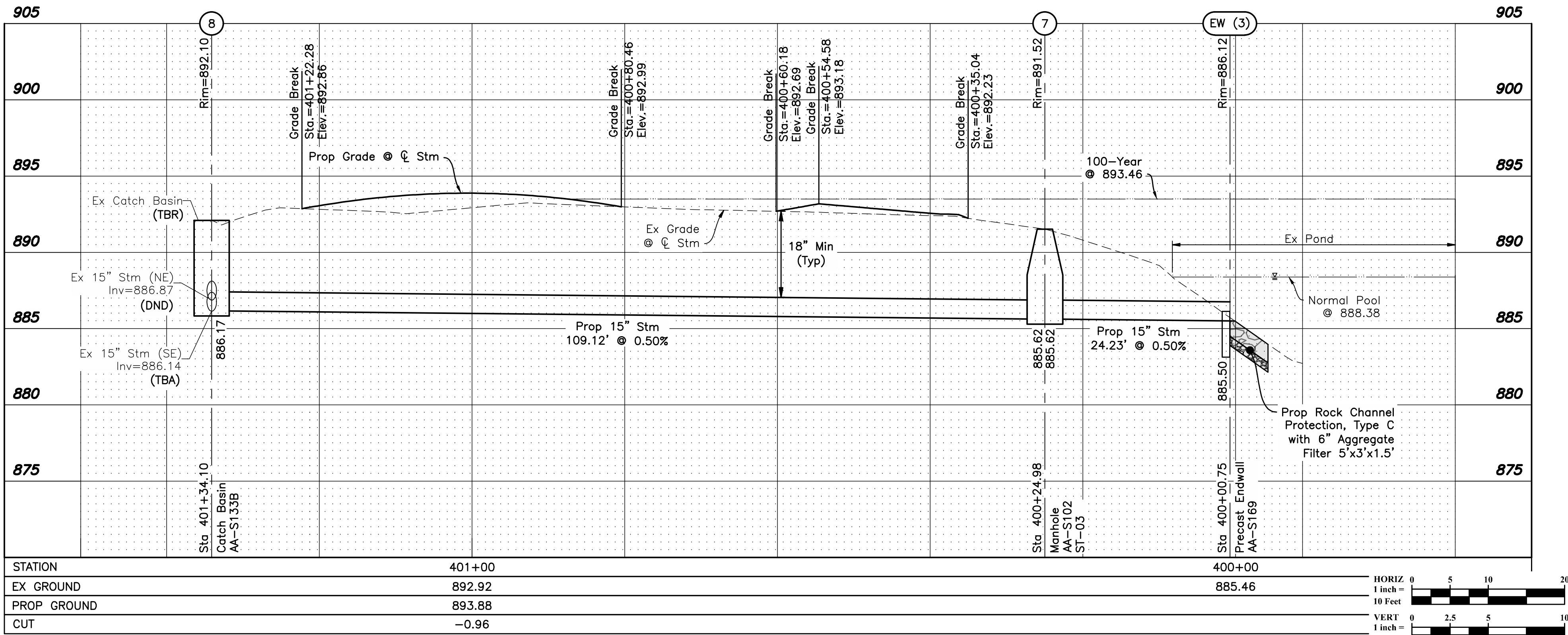
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2024-0677

SHEET

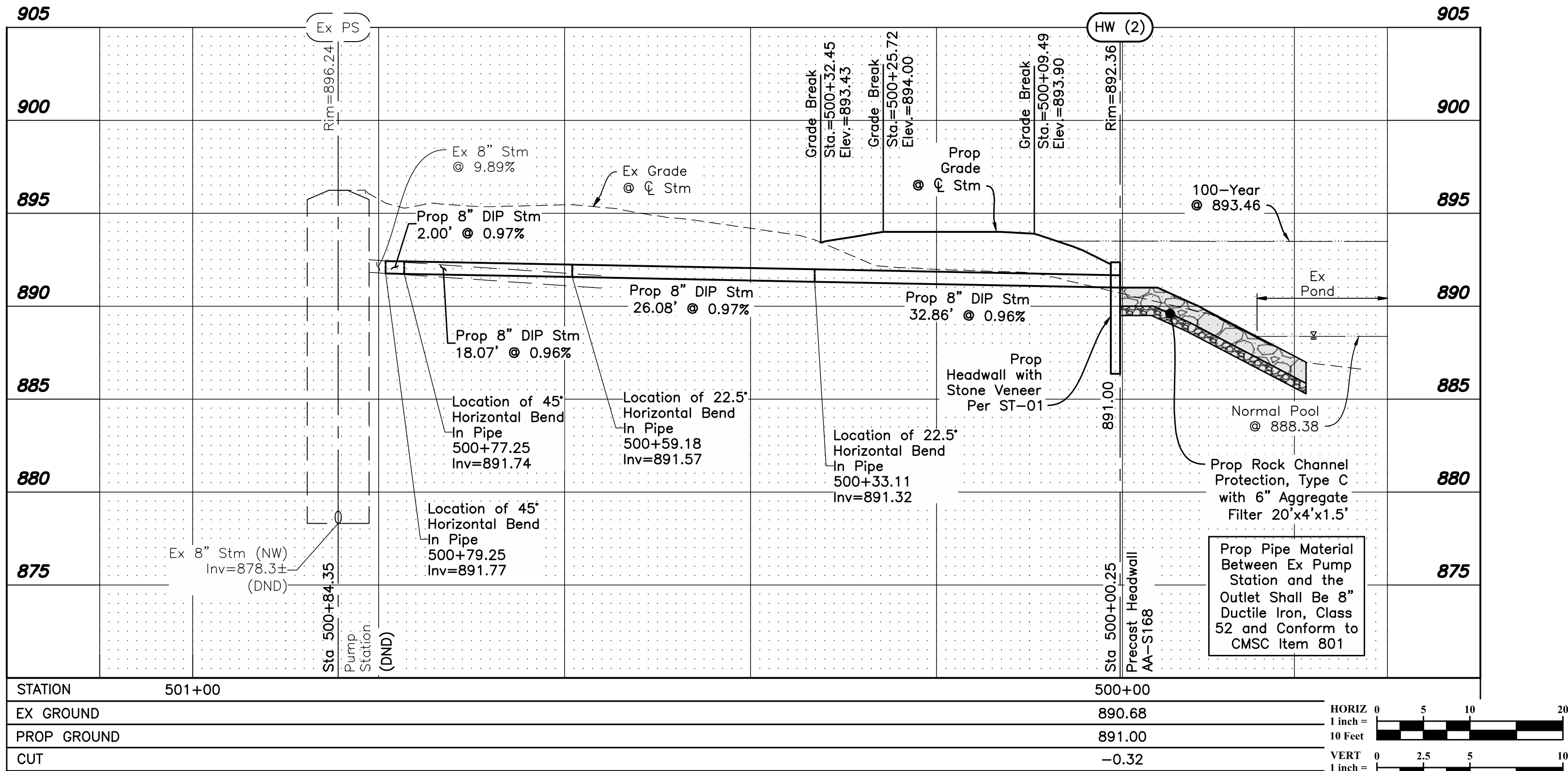
22/36

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STRUCTURE COORDINATES				
STRUCTURE #	NORTHING - PLAN	EASTING - PLAN	NORTHING - AS BUILT	EASTING - AS BUILT
EW (3)	774798.6266	1788697.1977		
7	774798.8771	1788672.9707		
8	774889.8550	1788612.7160		

STORM SEWER TABLE			
LINE	BEARING	LENGTH	SIZE
7-EW (3)	S89°24'27"E	24.23'	15"
8-7	S33°30'59"E	109.12'	15"



STRUCTURE COORDINATES				
STRUCTURE #	NORTHING - PLAN	EASTING - PLAN	NORTHING - AS BUILT	EASTING - AS BUILT
HW (2)	774831.1723	1788753.4027		
Elbow (1)	774899.3001	1788737.5425		
Elbow (2)	774897.3070	1788737.7087		
Elbow (3)	774885.6365	1788751.5014		
Elbow (4)	774862.4563	1788763.4474		
Ex PS	774903.1904	1788740.8342		

STORM SEWER TABLE			
LINE	BEARING	LENGTH	SIZE
Elbow (1)-Elbow (2)	S04°45'52"E	2.00'	8"
Elbow (2)-Elbow (3)	S49°45'52"E	18.07'	8"
Elbow (3)-Elbow (4)	S27°15'52"E	26.08'	8"
Elbow (4)-HW (2)	S17°48'03"W	32.86'	8"

REVISIONS

MARK	DATE	DESCRIPTION

CITY OF DUBLIN

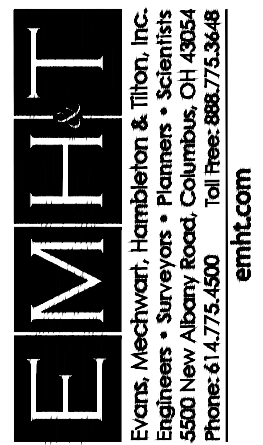
CITY OF DUBLIN, FRANKLIN COUNTY, OHIO

FOR PLAN

EARLINGTON PARK DRAINAGE

BASEIN IMPROVEMENTS

STORM SEWER PROFILE



DATE

JUNE 2025

SCALE

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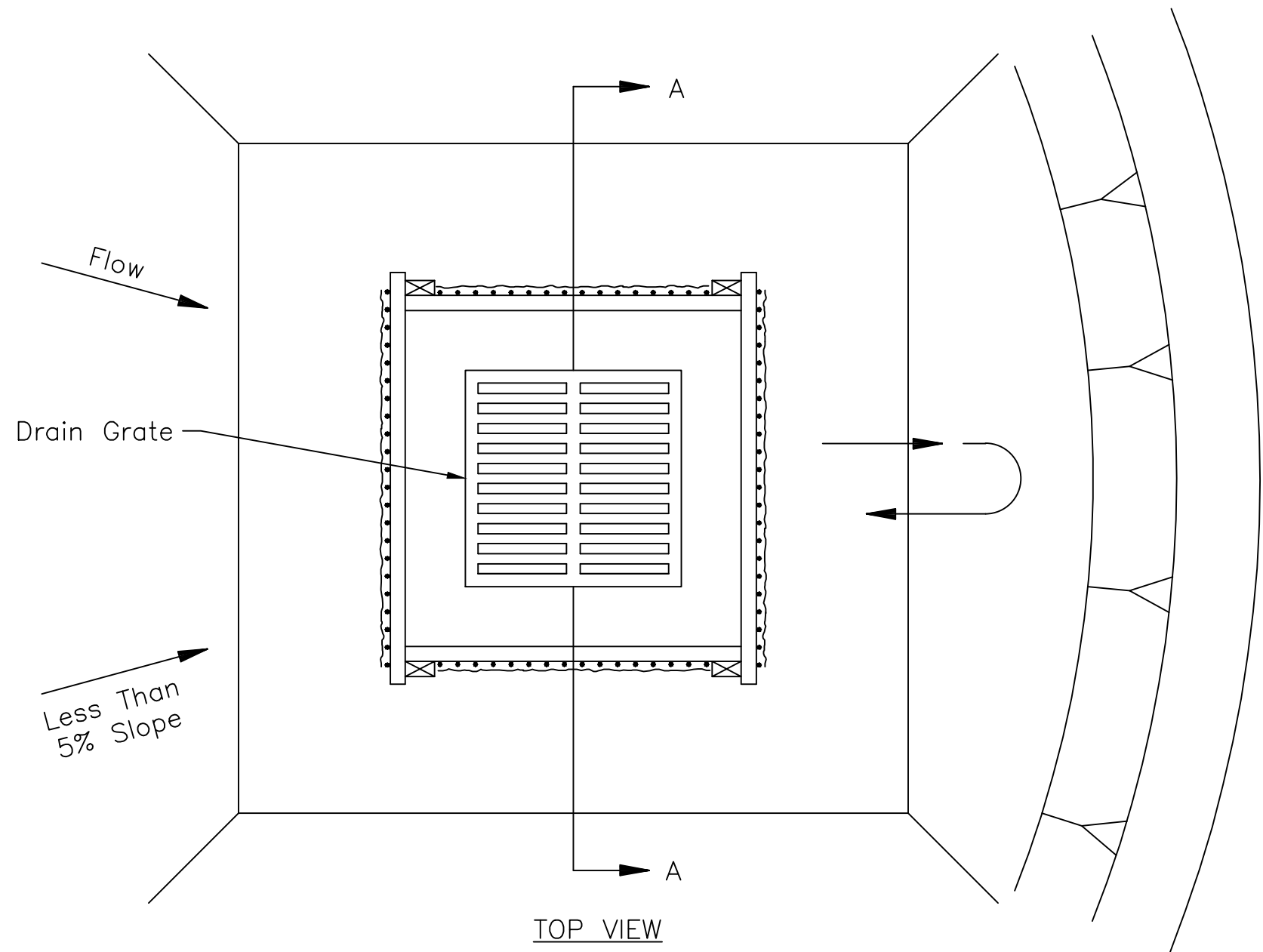
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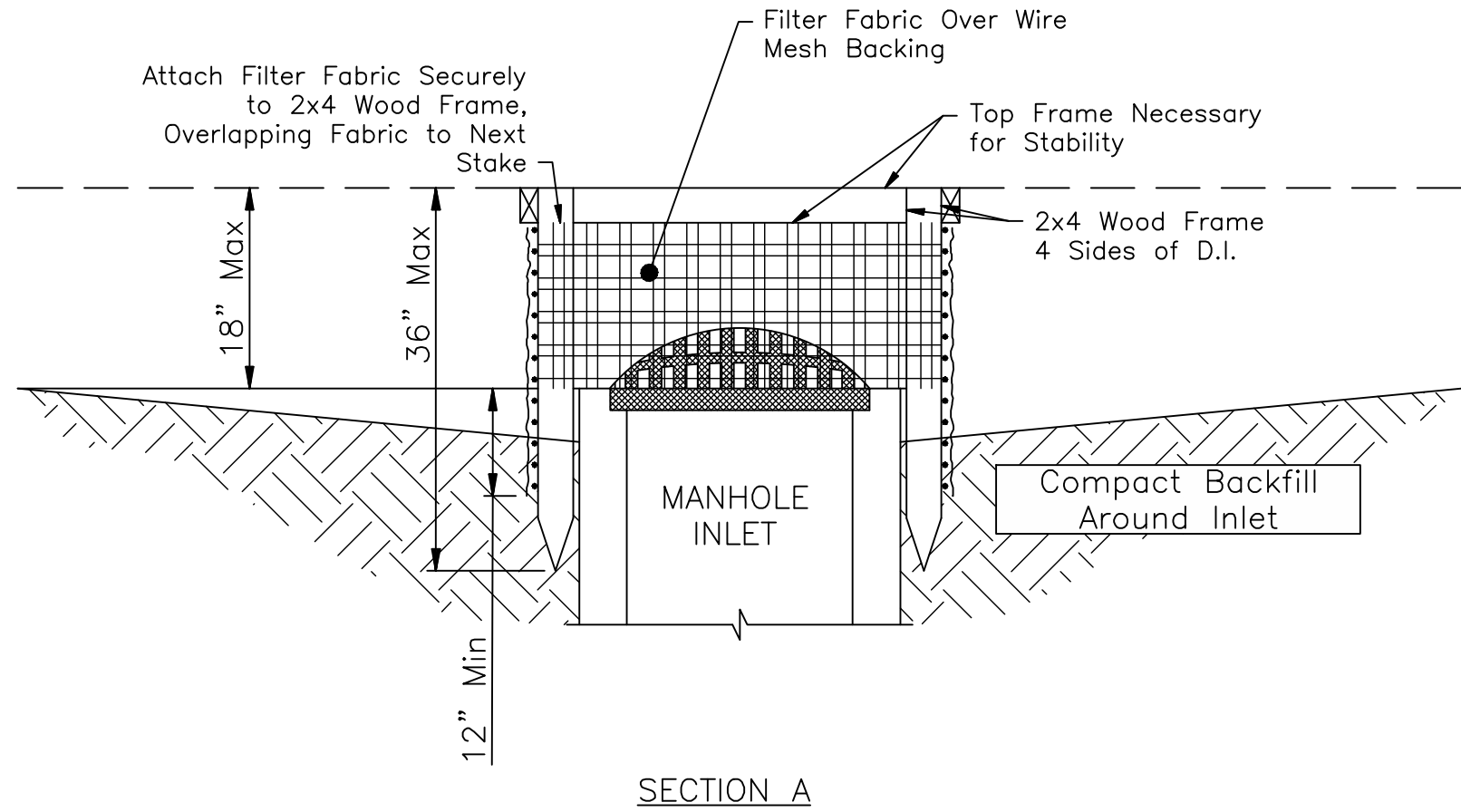
SHEET

23/36

\\20240677\Drawings\Bassin Improvements\24 Erosion & Sediment Control Notes & Details.dwg Last Saved By: mcorra 6/9/2025 1:03 PM Last Printed By: Crea Meana 6/18/2025 12:10 PM (No Xrefs)



TOP VIEW



SECTION A

NOTES:

1. Manhole inlet sediment barriers are to be used for small, nearly level drainage areas (less than 5%). Inlet protection shall be constructed either before upslope land disturbance or before the inlet becomes functional.
2. The earth around the inlet shall be excavated completely to a depth of at least 18 inches.
3. Use 2"x4" wood or equivalent metal stakes, 3' minimum length, to construct the wooden frame.
4. Install 2"x4" wood top frame to insure stability.
5. The top of the frame (ponding height) must be well below the ground elevation downslope to prevent runoff from by-passing the inlet. A temporary dike may be necessary on the downslope side of the structure.
6. Filter fabric material shall have an equivalent opening size 20–40 sieve and be resistant to sunlight. Fabric shall extend from the top of the frame to 18 inches below the inlet notch elevation.
7. Backfill shall be placed around the inlet in compacted 6–inch layers until the earth is even with notch elevation on ends and top elevation on sides.

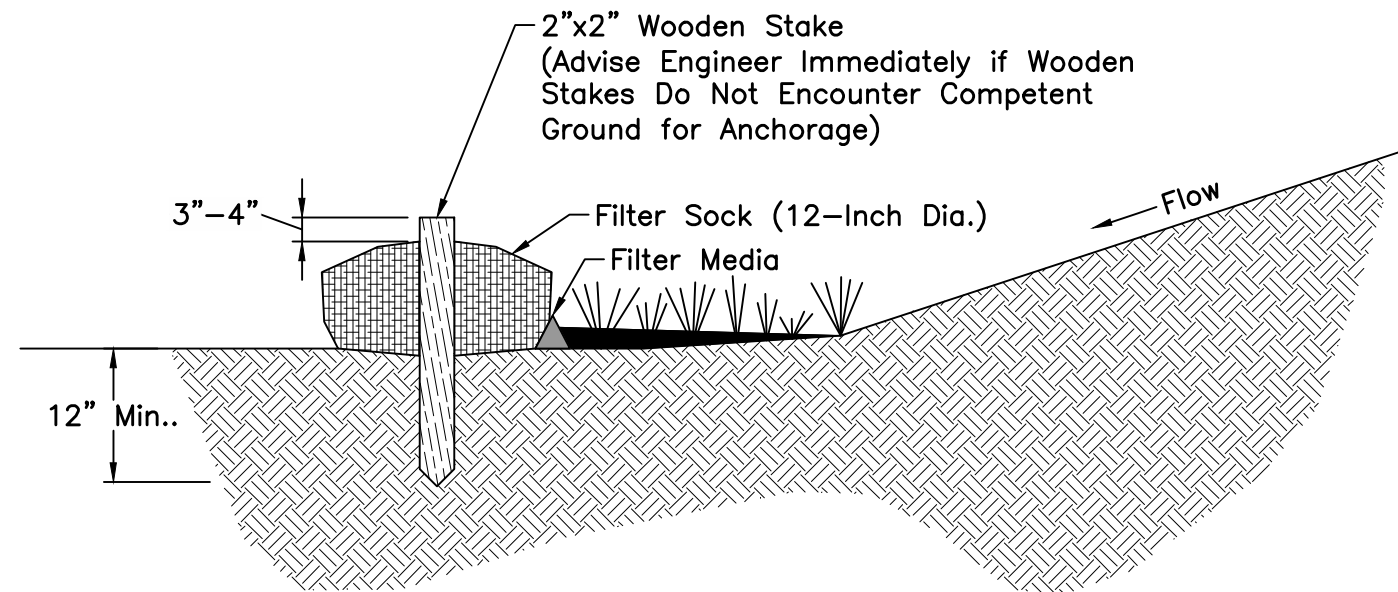
MAINTENANCE:

1. Should the fabric on a silt fence or filter barrier decompose or become ineffective prior to the end of the expected usable life and the barrier is still necessary, the fabric shall be replaced promptly.
2. Sediment deposits should be removed after each storm event. they must be removed when deposits reach approximately one–half the height of the barrier.
3. Any sediment deposits remaining in place after the silt fence or filter barrier is no longer required shall be dressed to conform with the existing grade, prepared and seeded.

DETAIL

FILTER FABRIC INLET PROTECTION

NOT TO SCALE



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.

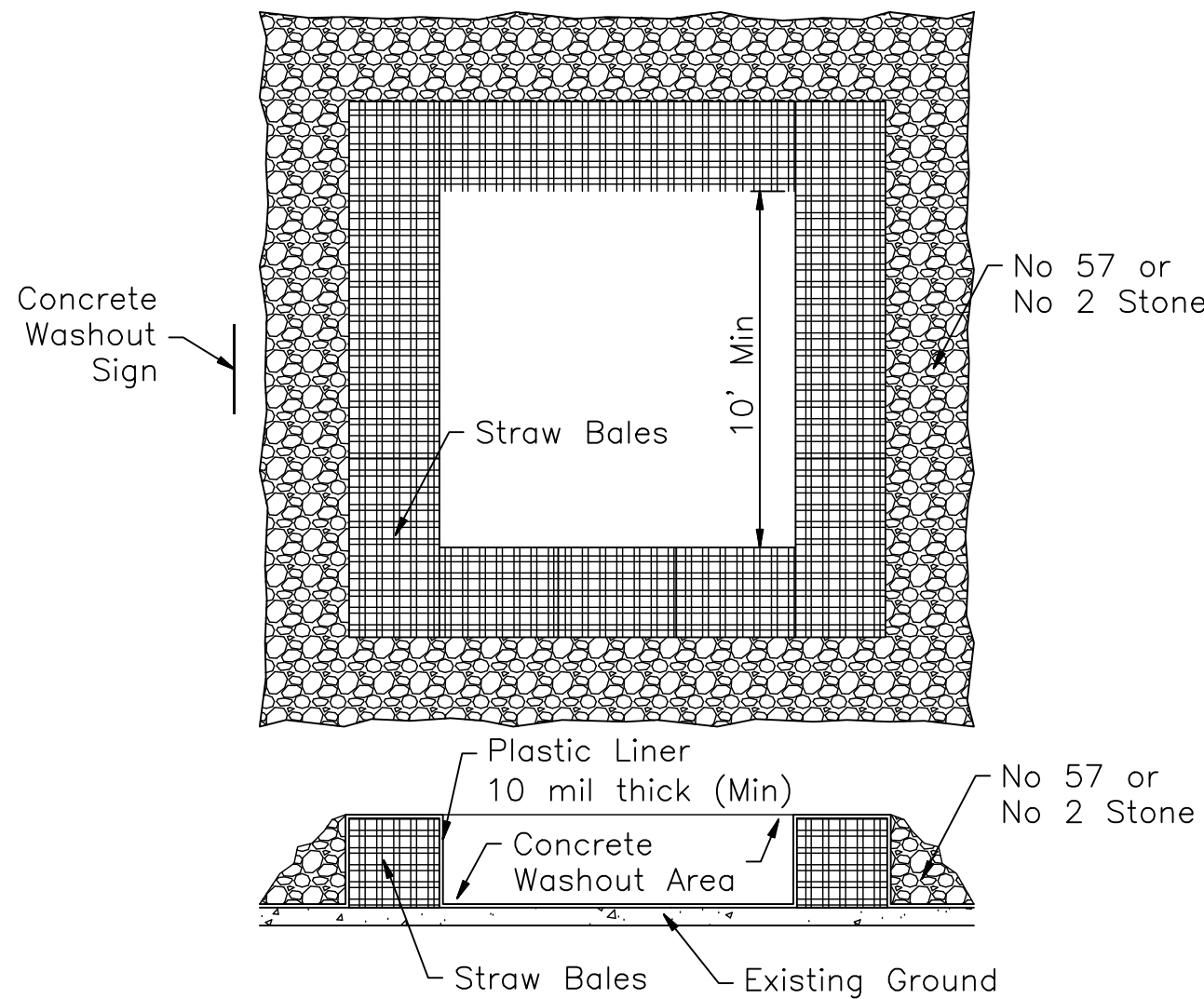
Maintenance:

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



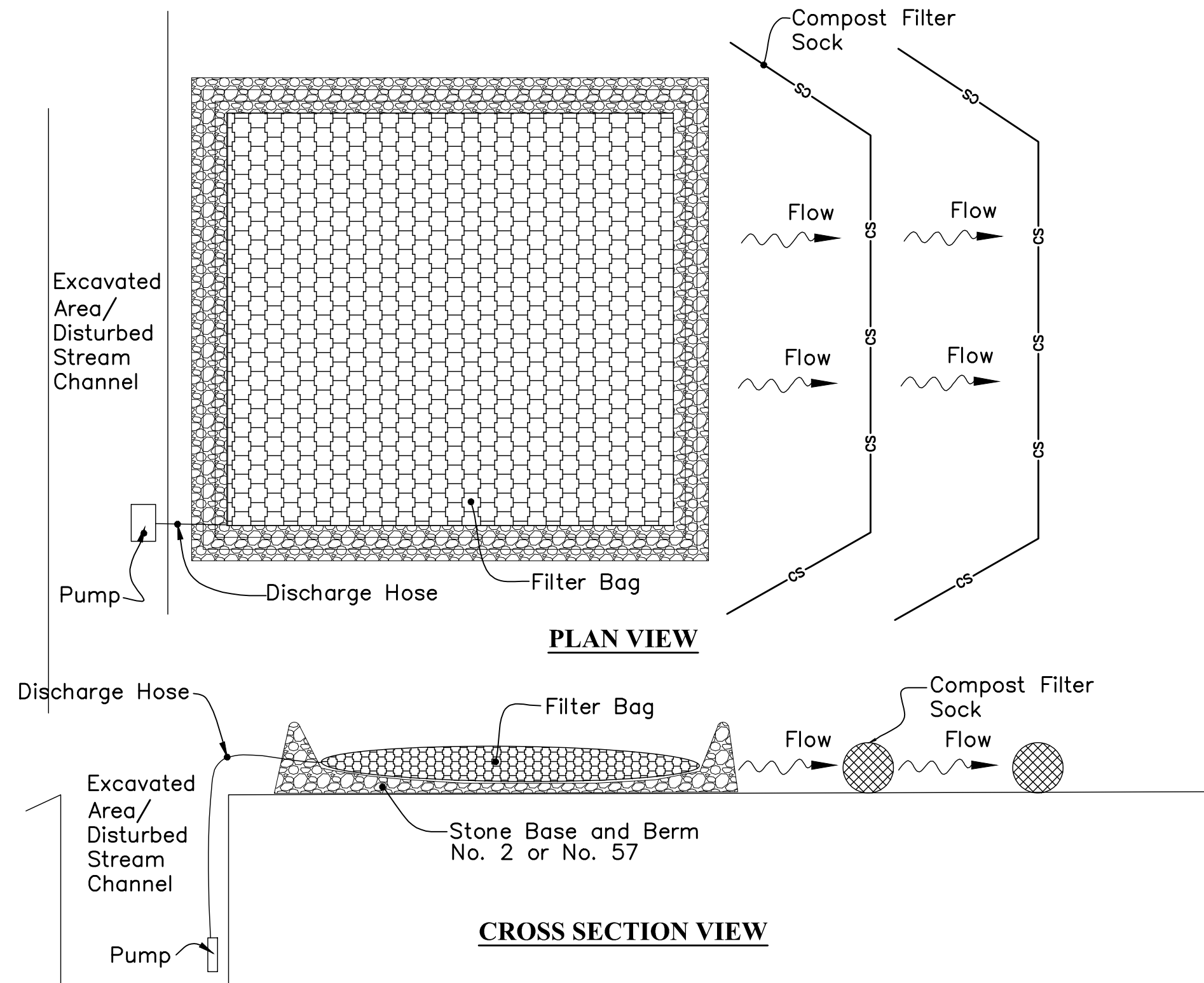
Notes:

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



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.

Maintenance:

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

REVISIONS

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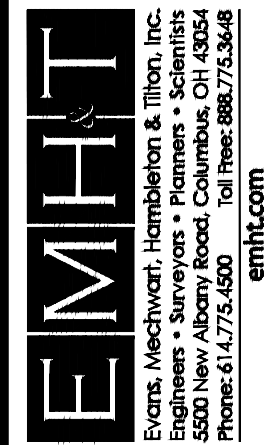
CITY OF DUBLIN

CITY OF DUBLIN, FRANKLIN COUNTY, OHIO

PLAN FOR

EARLINGTON PARK DRAINAGE BASIN IMPROVEMENTS

EROSION & SEDIMENT CONTROL NOTES & DETAILS



DATE

JUNE 2025

SCALE

1" = XXX'

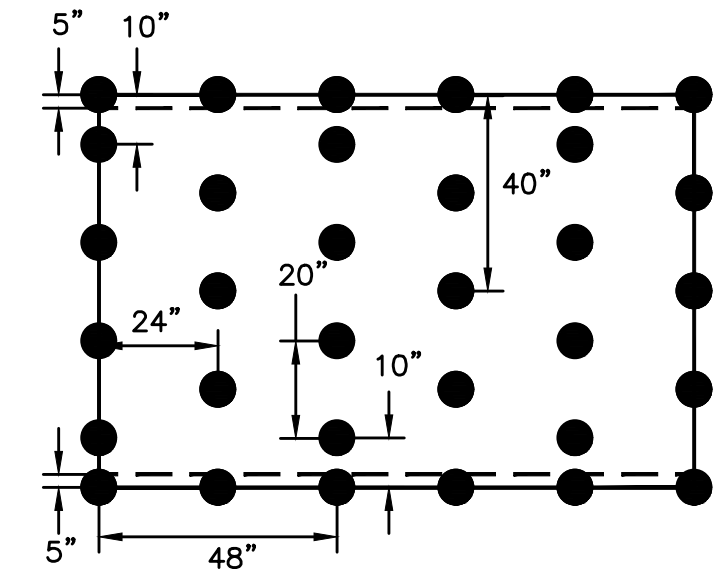
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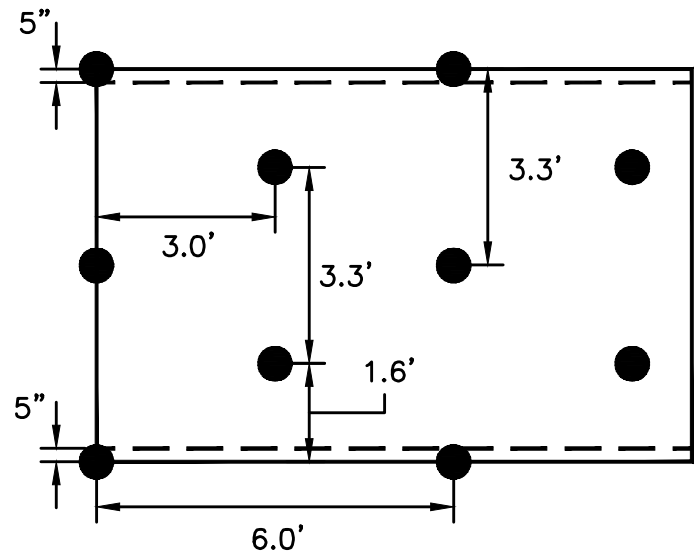
SHEET

25/36

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.

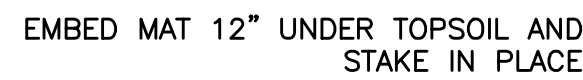


STREAMBANK STAKE PATTERN GUIDE DETAIL

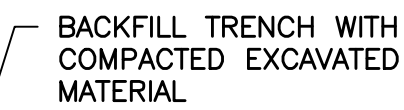


EMERGENCY SPILLWAY STAKE PATTERN
GUIDE DETAIL

Not to Scale



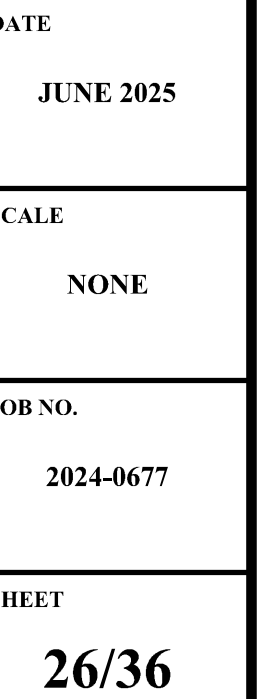
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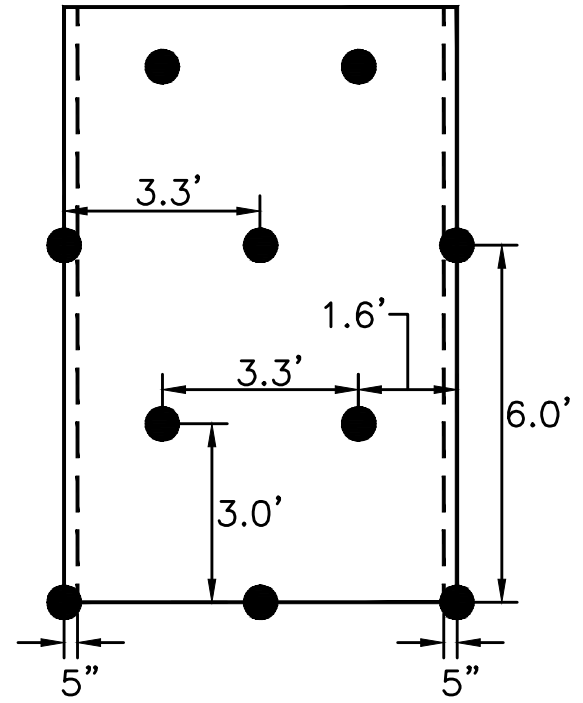
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CITY OF DUBLIN

PLAN FOR EARLINGTON PARK DRAINAGE BASIN IMPROVEMENTS EROSION CONTROL MAT DETAILS - HORIZONTAL



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

TEMPORARY EROSION CONTROL MAT – VERTICAL INSTALLATION DETAIL

Not to Scale



SLOPE EROSION PROTECTION MAT TOE ANCHORAGE DETAIL AT RIPRAP

Not to Scale

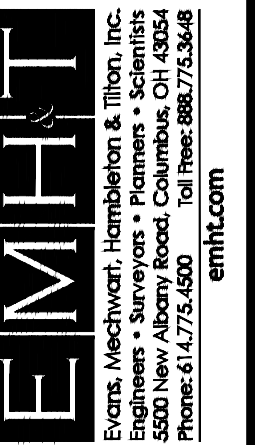


SLOPE EROSION PROTECTION MAT TOE ANCHORAGE DETAIL IN SOIL

Not to Scale

CITY OF DUBLIN

PLAN
FOR
EARLINGTON PARK DRAINAGE
BASIN IMPROVEMENTS
EROSION CONTROL MAT DETAILS - VERTICAL



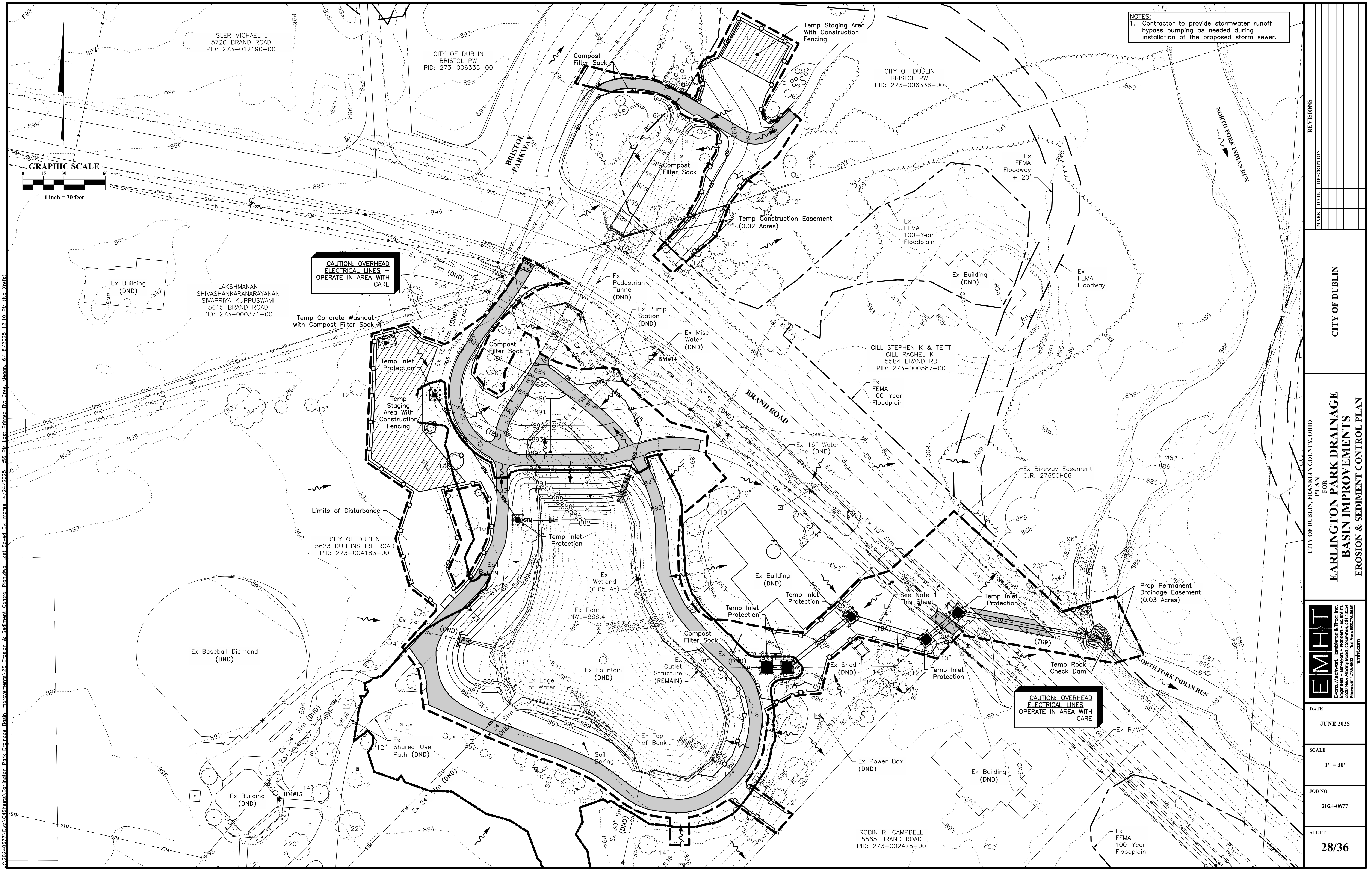
JUNE 2025

NONE

OB NO.

2024-0677

27/36



NOTES:
1. Contractor to provide stormwater runoff bypass pumping as needed during installation of the proposed storm sewer.

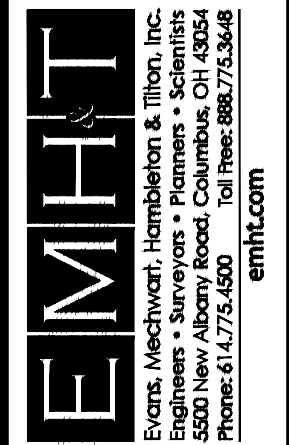
CAUTION: OVERHEAD ELECTRICAL LINES - OPERATE IN AREA WITH CARE

CAUTION: OVERHEAD ELECTRICAL LINES - OPERATE IN AREA WITH CARE

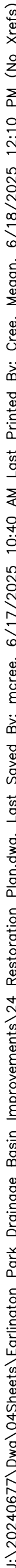
REVISIONS	
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CITY OF DUBLIN

FOR
PLAN
EARLINGTON PARK DRAINAGE BASIN IMPROVEMENTS
EROSION & SEDIMENT CONTROL PLAN



DATE	JUNE 2025
SCALE	1" = 30'
JOB NO.	2024-0677
SHEET	28/36



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. For example, in the retention basin mix the application rate would be 30-60 lbs/acre if seeding occurs between October 31 and March 15.
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. 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, FRANKLIN COUNTY, OHIO
PLAN
FOR
**EARLINGTON PARK DRAINAGE
BASIN IMPROVEMENTS**
RESTORATION PLAN - SEEDING

DATE _____

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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.

CONSTRUCTION METHODS:

- 2.1. Contractor shall prepare the site in conformance with Item 652, Placing Stockpiled Topsoil, As Per Plan and Item 653, Topsoil Furnished and Placed, As Per Plan.

PLANTING TREES AND SHRUBS

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.

MATERIALS

- 4.1. The project area shall be planted with the tree and shrub species in accordance with the Planting Tables on Sheet 30. 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. No material is to be delivered until Landscaper and City are in agreement that the particular zone is ready for planting.
- 4.3. 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 the American Nursery and Landscape Association. 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.
- 4.4. 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.
- 4.5. The Contractor shall install the trees and shrubs as shown on the Planting Plans on Sheet 30.

CONTAINER TREE AND SHRUB SPECIFICATIONS:

- 4.6.1. Plants shall be established and well rooted in removable containers.

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

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.

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.

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.

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.

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.

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.

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 32), 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.

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.

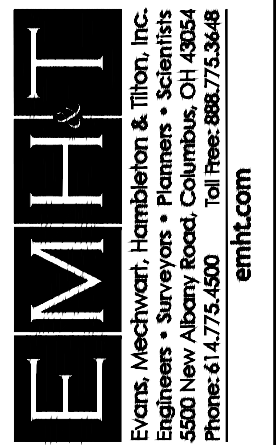
- 10.17. Follow additional requirements for the permitted root ball packages.

Planting Notes continue on Sheet 32...

REVISIONS		DESCRIPTION	DATE				
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CITY OF DUBLIN

CITY OF DUBLIN, FRANKLIN COUNTY, OHIO
FOR
PLAN
EARLINGTON PARK DRAINAGE
BASIN IMPROVEMENTS
PLANTING NOTES



DATE
JUNE 2025
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JOB NO.
2024-0677
SHEET
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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 B&B, #5 and #15 containers shall be a diameter that is at least 6-inches larger than the diameter of the container.

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

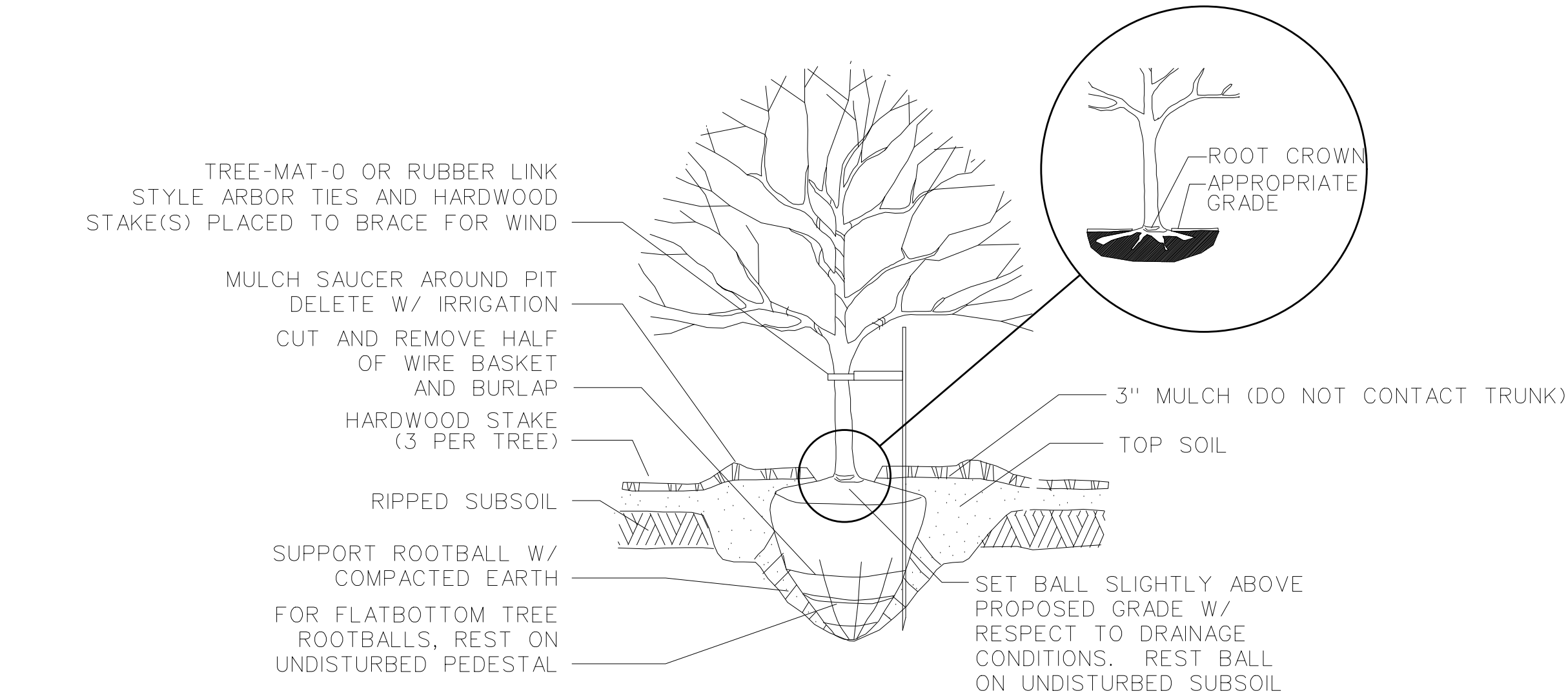
14. The Contractor shall be held to the warranty percent survival rate of 80% for each of the seed types specified on Sheet 29 and 100% for each of the tree and shrub types specified on Sheet 30.
15. The warranty period for the seeding and planting work shall extend for a minimum of one calendar year 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 establishment 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 80% for seeding and

100% for trees/shrubs. 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.



DETAIL

BALLED & BURLAP TREE PLANTING DETAIL

NOT TO SCALE

REVISIONS	
MARK	DESCRIPTION

CITY OF DUBLIN

CITY OF DUBLIN, FRANKLIN COUNTY, OHIO PLAN FOR EARLINGTON PARK DRAINAGE BASIN IMPROVEMENTS PLANTING NOTES

EMHT

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Earl & McHugh Inc.
Engineers • Surveyors • Planners • Scientists
5500 New Albany Road, Columbus, OH 43254
Phone: 614/775-1500 • Fax: 614/775-3426
emht.com

DATE
JUNE 2025

SCALE
NONE

JOB NO.
2024-0677

SHEET
32/36

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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.

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.

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 Sheriff’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

Brand Rd shall be closed and detoured for the installation of the proposed storm sewer crossing. Sheet 34 details the detour signage associated with the closure of Brand Rd. The closure shall be limited to 5 days maximum duration. Any pavement markings or signs impacted by construction shall be replaced prior to reopening the road to traffic. All costs related to restoration of signs shall be incidental to Item 614, Maintaining Traffic As Per Plan.

Sheet 35 details the removal of curbing to install temporary site access off Bristol Pkwy. Phase 1 shows the removal of the curb and Phase 2 shows the temporary set up during construction.

Pedestrian traffic shall be prohibited within the project work limits for the duration of the project. Sidewalks and paths shall be closed as detailed on sheet 36. Proposed sidewalk construction shall be completed prior to removing the sidewalk closures.

SPECIAL EVENTS

No work shall be performed and all existing lanes shall be open to traffic during the following designated special events.

St. Patrick’s Day Parade
Memorial Tournament
Memorial Day Ceremony
Independence Day Celebration
Dublin Irish Festival
Halloween Spooktacular
Veterans Day Celebration
Tree Lighting

MARK	DATE	DESCRIPTION	REVISIONS			

CITY OF DUBLIN

CITY OF DUBLIN, FRANKLIN COUNTY, OHIO
PLAN
FOR
EARLINGTON PARK DRAINAGE
BASIN IMPROVEMENTS
MAINTENANCE OF TRAFFIC NOTES

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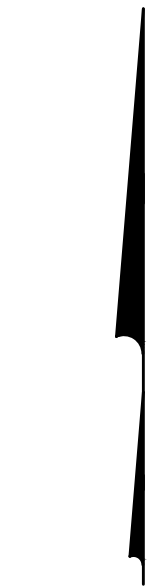
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5075 New Albany Road, Columbus, OH 43254
Engineers • Surveyors • Planners • Scientists
Phone: 614.775.5500 • Toll Free: 888.775.5646
emht.com

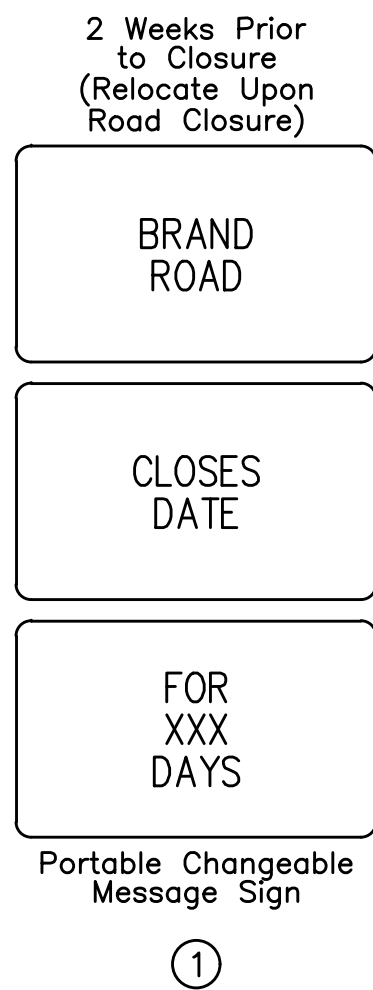
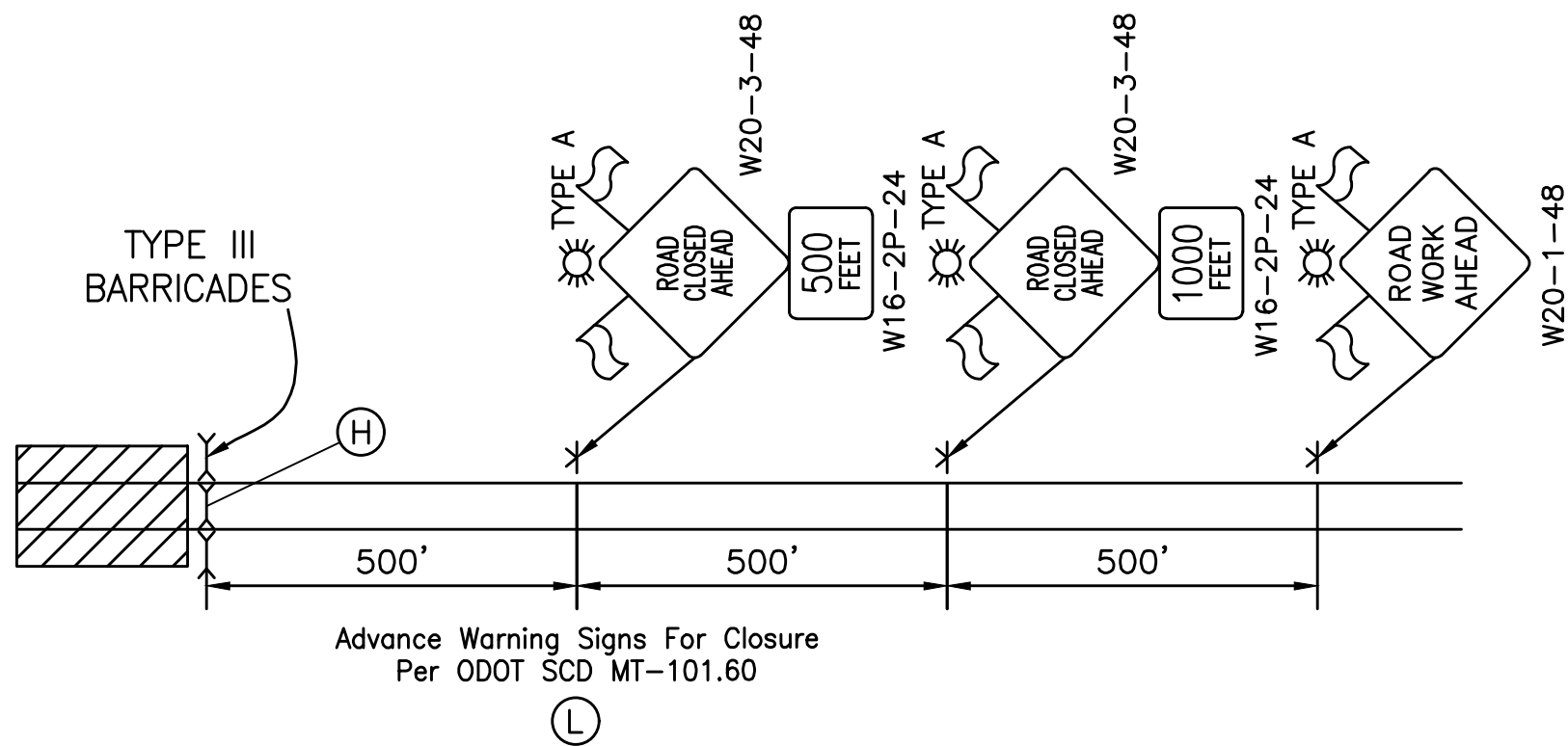
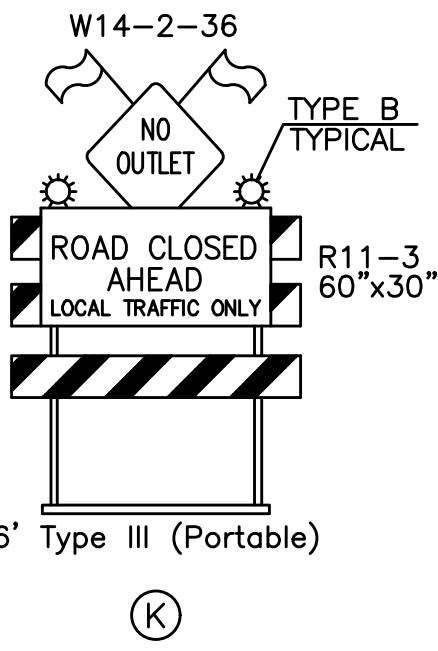
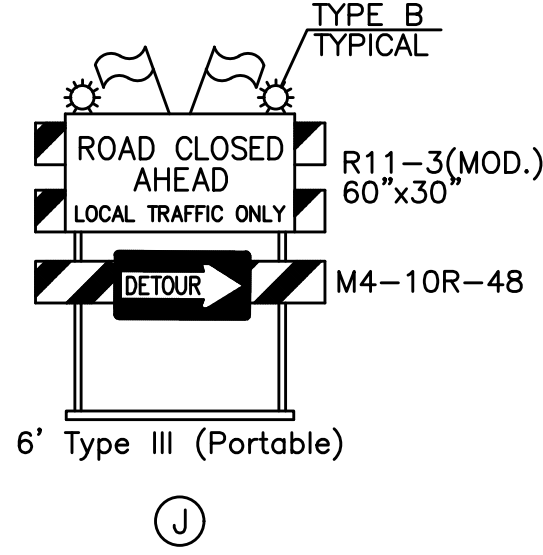
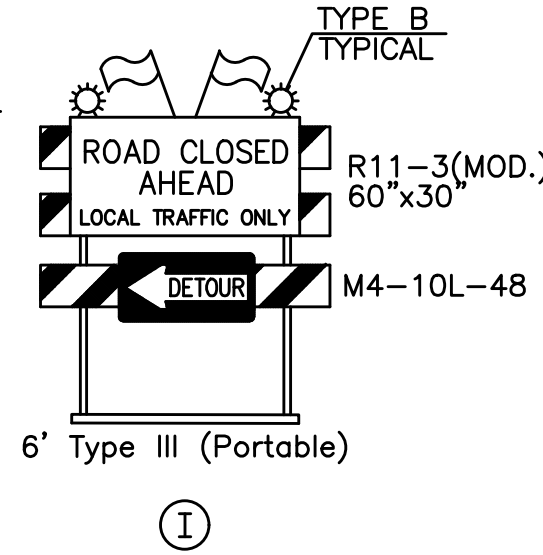
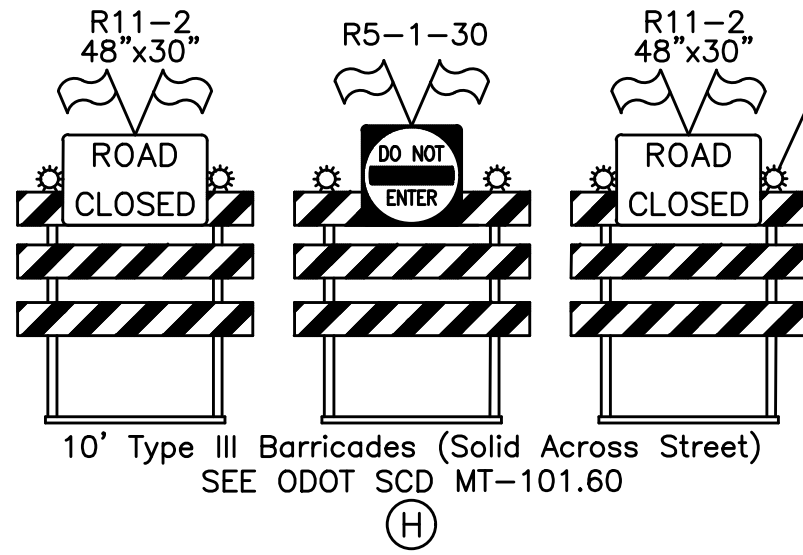
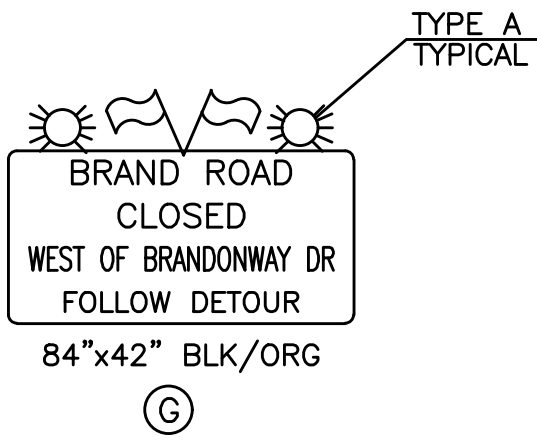
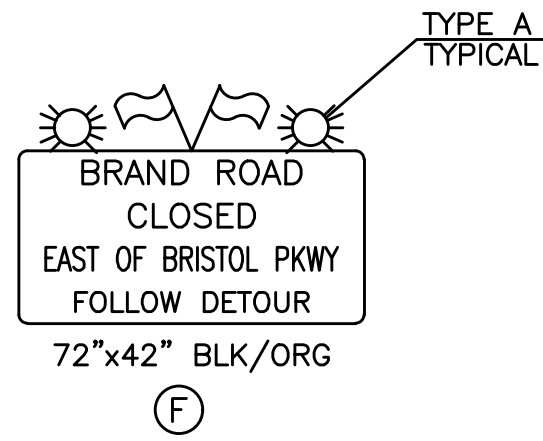
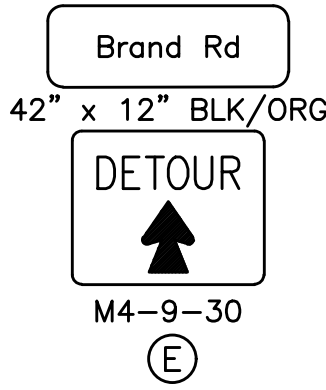
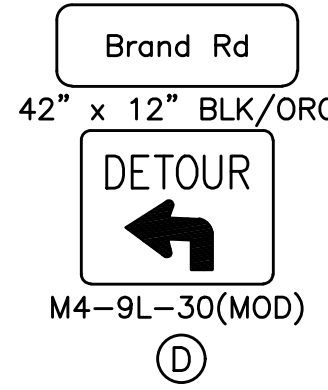
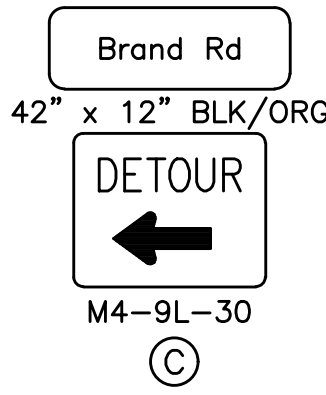
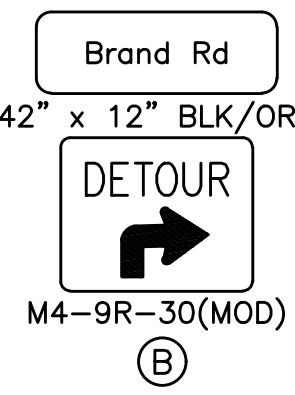
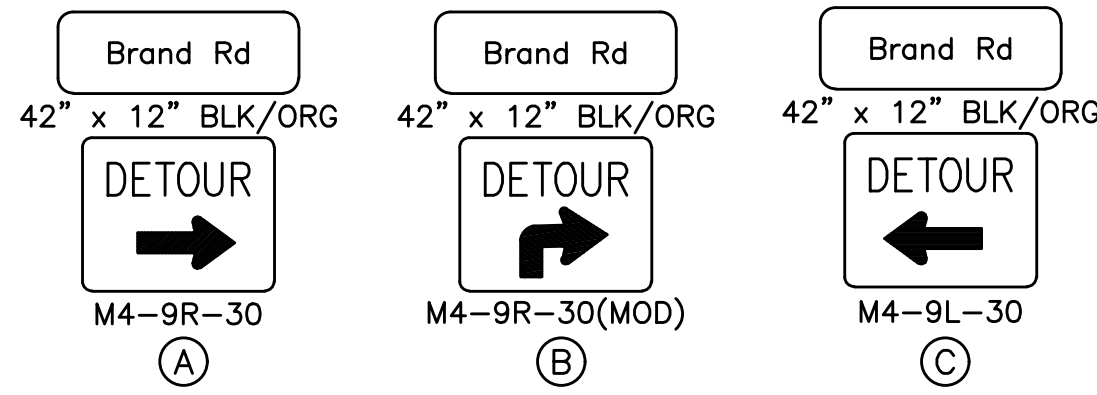
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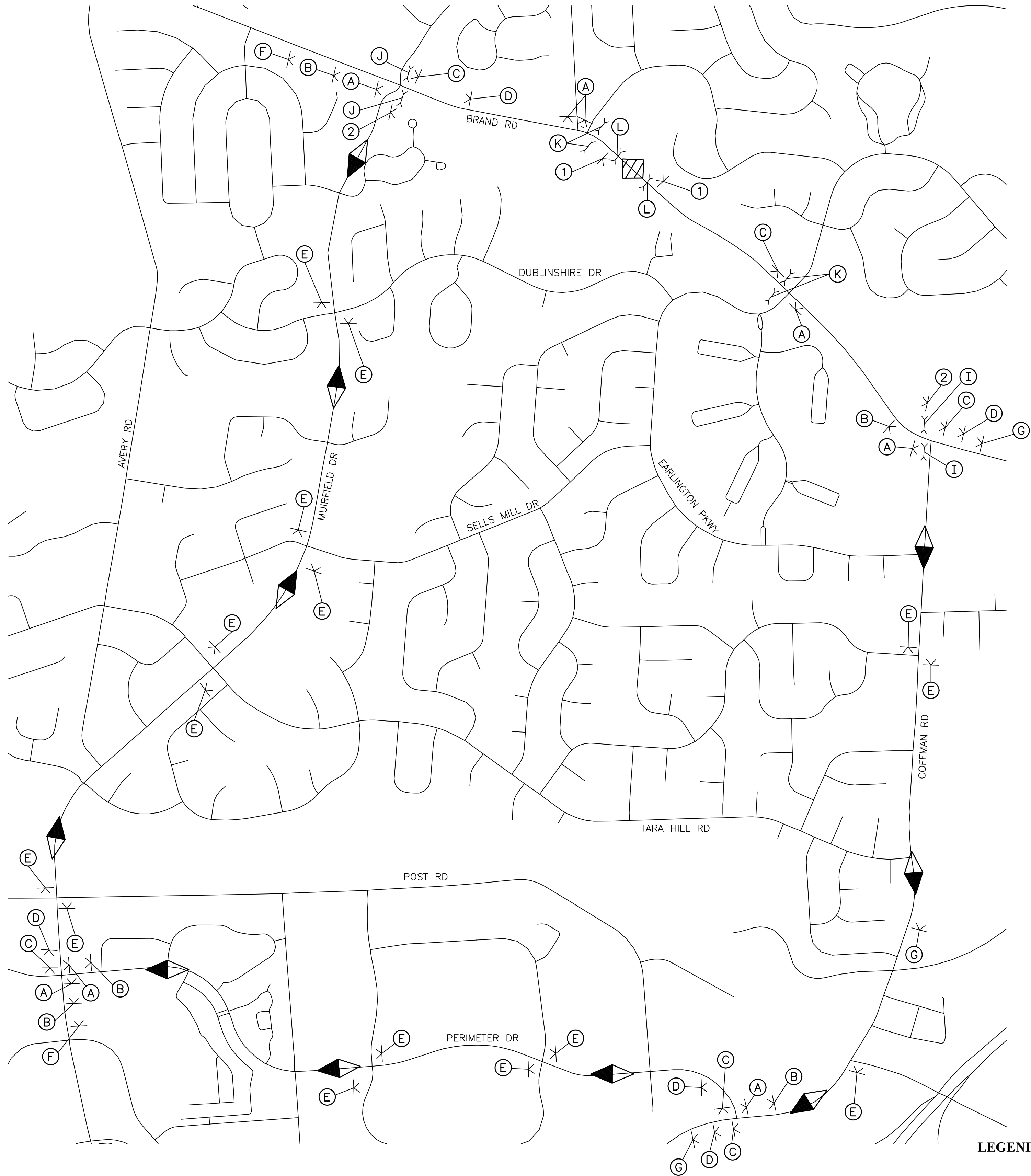
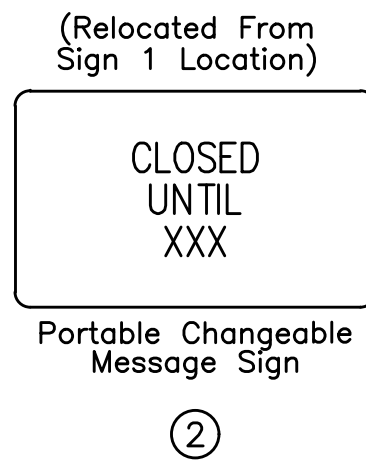
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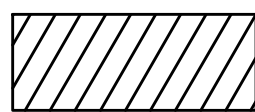


Notes:

- The detour shown shall be implemented to construct the culvert crossing Brand Rd. The road shall be closed per ODOT SCD MT-101.60.
- The closure of Brand Rd shall not exceed 5 days.



LEGEND



= Work Zone



= Detour Route



= Temporary Sign Support

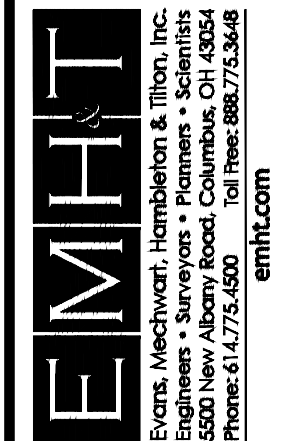


= Type III Barricade

MARK	DATE	DESCRIPTION

CITY OF DUBLIN

CITY OF DUBLIN, FRANKLIN COUNTY, OHIO
PLAN
FOR
**EARLINGTON PARK DRAINAGE
BASIN IMPROVEMENTS**
MAINTENANCE OF TRAFFIC PLAN - BRAND ROAD DETOUR



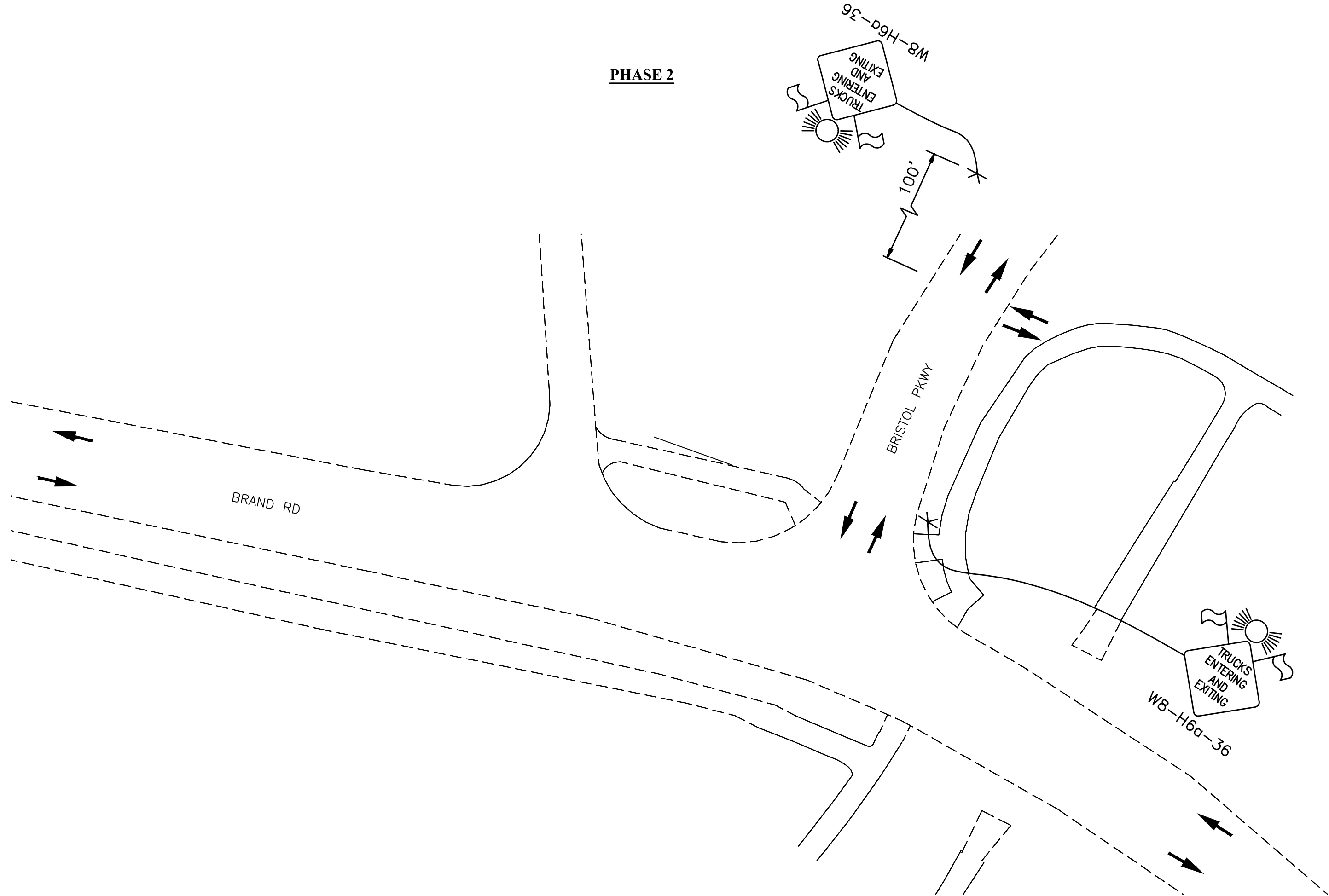
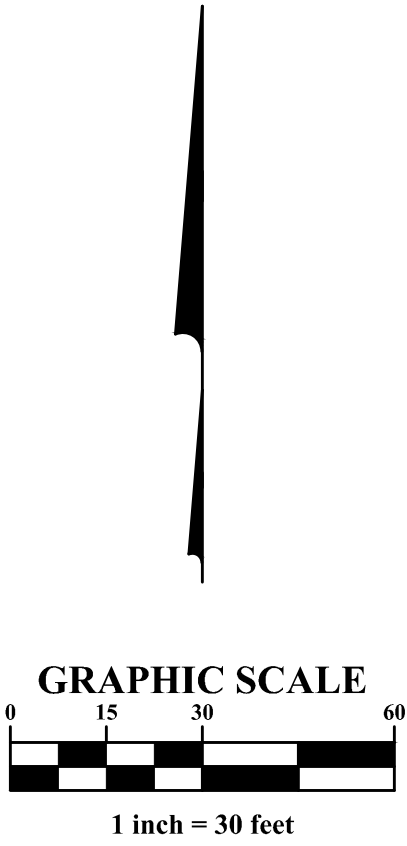
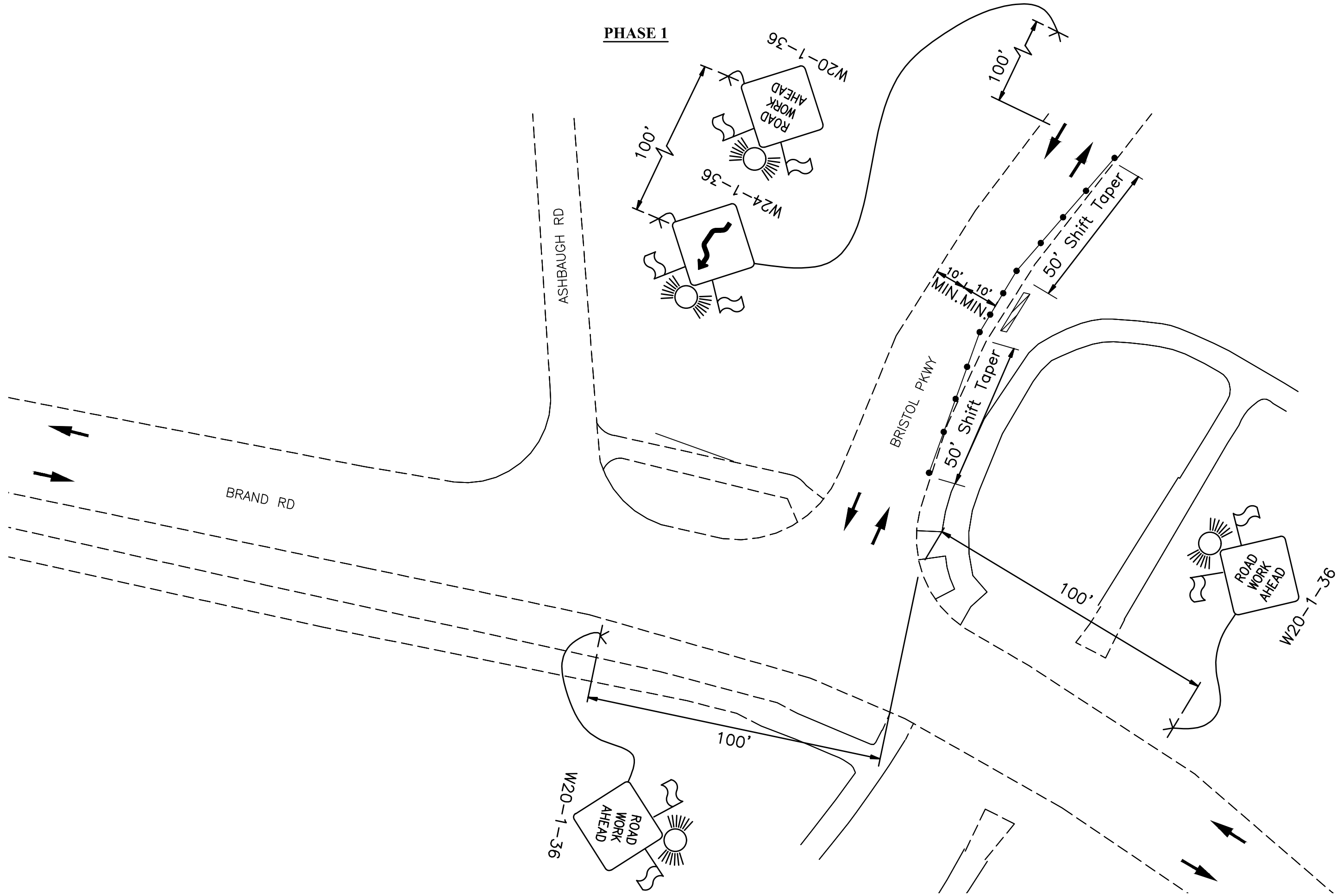
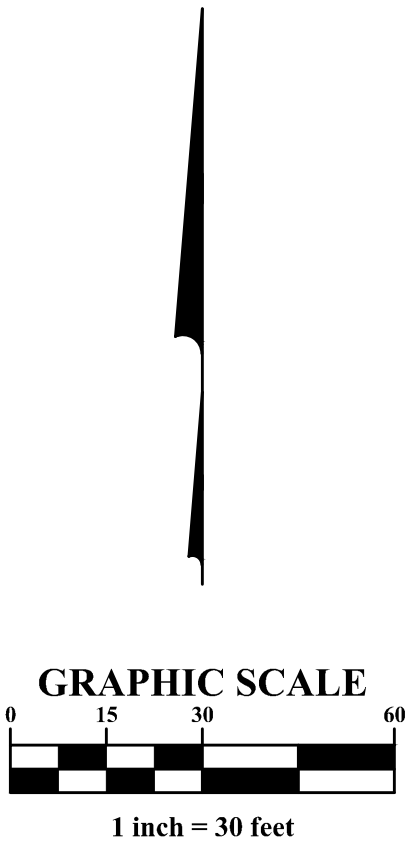
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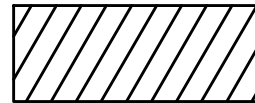



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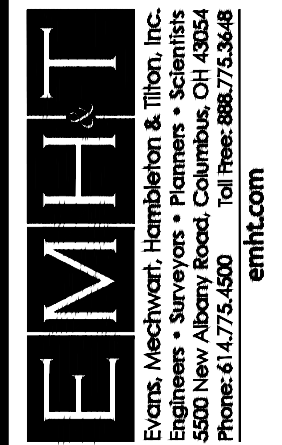


Notes:

1. Phase 1 details the removal of the curb to allow for temporary site access.
2. Phase 2 details the temporary set up during site construction.
3. See sheet 36 for pedestrian signage.

- LEGEND**
-  = Work Zone
 -  = Temporary Sign Support
 -  = Direction Of Travel
 -  = Orange Drum

CITY OF DUBLIN, FRANKLIN COUNTY, OHIO
FOR
**EARLINGTON PARK DRAINAGE
BASIN IMPROVEMENTS**
MAINTENANCE OF TRAFFIC PLAN - SITE ACCESS



DATE	JUNE 2025
SCALE	1" = 30'
JOB NO.	2024-0677
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