

GENERAL NOTES

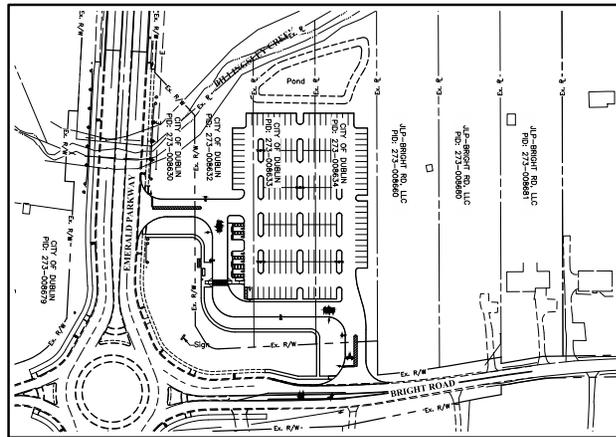
- City of Columbus and Ohio Department of Transportation Construction and Material Specifications, current editions, and any supplements thereto (hereafter referred to as Standard Specifications), shall govern all construction items unless otherwise noted. If a conflict between specifications is found, the more strict specification will apply as decided by the City Engineer. Item Numbers listed refer to City of Columbus Item Numbers unless otherwise noted.
 - 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 construction documents.
 - The Developer or Contractor shall be responsible to obtain all necessary permits including but not limited to Ohio EPA Permits to Install (PTI) and Notices of Intent (NOI), Building Permits, etc.
 - The Contractor shall notify the City of Dublin Division of Engineering in writing at least 3 working days prior to beginning construction.
 - The Contractor shall be solely responsible for complying with all federal, state and local safety requirements including the Occupational Safety and Health Act of 1970. The Contractor shall exercise precaution always for the protection of persons (including employees) and property. It shall also be the sole responsibility of the Contractor to initiate, maintain and supervise all safety requirements, precautions and programs in connection with the work, including the requirements for confined spaces per 29 CFR 1910.146.
 - Following completion of construction of the site improvements and before requesting occupancy, a proof survey shall be provided to the Division of Engineering that documents "as-built" elevations, dimensions, slopes and alignments of all elements of this project. The proof survey shall be prepared, signed and submitted by the Professional Engineer who sealed the construction drawings.
 - The Contractor shall restrict construction activity to public right-of-way and areas defined as permanent and/or temporary construction easements, unless otherwise authorized by the City Engineer.
 - The Contractor shall carefully preserve bench marks, property corners, reference points, stakes and other survey reference monuments or markers. In cases of willful or careless destruction, the Contractor shall be responsible for restorations. Restoring of markers shall be performed by an Ohio Professional Surveyor as approved by the City Engineer.
 - Non-rubber tired vehicles shall not be moved on or across public streets or highways without the written permission of the City Engineer.
 - The Contractor shall restore all disturbed areas to equal or better condition than existed before construction. Drainage ditches or water courses that are disturbed by construction shall be restored to the grades and cross-sections that existed before construction.
 - Tracking or spilling mud, dirt or debris upon streets, residential or commercial drives, sidewalks or bike paths is prohibited according to Section 97.39 of the Dublin Code of Ordinances. Any such occurrence shall be cleaned up immediately by the Contractor or not to the City. If the Contractor fails to remove silt, 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.
 - Disposal of excess excavation within Special Flood Hazard Areas (100-year floodplain) is not permitted.
 - All signs, landscaping, structures or other appurtenances within right-of-way disturbed or damaged during construction shall be replaced or repaired to the satisfaction of the City Engineer. The cost of this work shall be the responsibility of the Contractor.
 - All field life 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 with identification noting that inspection has been conducted by the City of Columbus. Precast concrete products without proof of inspection shall not be approved for installation.
 - Backfill within a 1:1 influence line of existing structures (houses, garages, etc.) or public infrastructure (pavement, curbs, sidewalks, bike paths, etc.) shall be compacted granular backfill according to Item 912 of the Standard Specifications or Flowable CDF, Type III according to Item 636. Item 911 of the Standard Specifications may be used elsewhere.
 - The Contractor shall submit a copy of the approved construction drawings and a list of proposed precast concrete product manufacturers to the City of Columbus Construction Inspection Division before commencing construction.
- Send the information to the following address:
Construction Inspection Division
City of Columbus
1800 East 17th Avenue
Columbus, Ohio 43219
- Send a copy of the transmittal letter to the following address:
Division of Engineering
City of Dublin
5800 Sher Rings Road
Dublin, Ohio 43016
- All trenches within public right-of-way shall be backfilled according to the approved construction drawings or security posted during working 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.
 - All trees within the construction area not specifically designated for removal shall be preserved, whether shown or not shown on the approved construction drawings. Trees to be preserved shall be protected with high visibility fencing placed a minimum 10 feet from the tree trunk. Trees 6-inches or greater at DBH (Diameter Breast Height) must be protected with fencing placed at the critical root zone or 15 feet, whichever is greater. Trees not indicated on the approved construction drawings for removal may not be removed without prior approval of the Division of Engineering.
 - Consult with the City Engineer before any directional bored cross streets instead of open cut, unless specifically approved by the City Engineer. Use of pneumatic or ram devices is not permitted. Permits to construct in the right-of-way of existing streets must be obtained from the City of Dublin Division of Engineering before commencing construction. Should open cutting of existing pavement be permitted, Controlled Density Backfill (Type III) shall be used in place of compacted granular backfill according to Item 636 of the Standard Specifications.
 - The Contractor shall be responsible for the condition of trenches within the right-of-way and public easements for a period of one year from the final acceptance of the work, and shall make any necessary repairs at no cost to the City.
 - Pavements shall be cut in neat, straight lines the full depth of the existing pavement, or as required by the City Engineer. Pavement replacement shall be conducted according to City of Columbus Standard Drawing 1441 and applicable City of Dublin standard drawings. The replacement of sidewalks, 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.
 - All inlets shall be chamfered.
 - Park grass shall be fine-graded and seeded with the following mixture:
Improved Kentucky Bluegrass, 40% of weight (2 varieties in equal parts)
Improved Perennial Ryegrass, 60% of weight (2 varieties in equal parts)
Germination Rate: 80%
Application Rate: 7 lbs per 1000 sq ft as directed by the Division of Parks & Recreation, City of Dublin, Ohio.
 - Traffic control and other regulatory signs shall be Type S with a square post and/or base installation and meet all requirements of ODOT TC-41.20 and applicable City of Dublin specifications.
 - Street signs shall meet all City of Dublin specifications with lettering colored in white displayed over a brown background. Sign tubing shall be brown in color and conform with the Type S square post and/or base installation requirements of ODOT TC-41.20.

UTILITIES

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

Columbus Gas of Ohio Rob Caldwell - Field Engineer 1800 Dublin Road Columbus, Ohio 43212	City of Dublin Division of Engineering Ken Robinson, P.E. 5800 Sher Rings Road Columbus, Ohio 43016 (614) 410-4631	City of Columbus Division of Power and Water 910 Dublin Road, 2nd Floor Columbus, Ohio 43215 (614) 645-7677	Verizon Bill Mueller 550 Leasler Street Marion, Ohio 43202 (740) 383-0527
American Electric Power Rita Steneker 850 Tech Center Drive Columbus, Ohio 43230-6605 (614) 883-8823	Time Warner Cable Tom Zeman 3760 Interchange Road Columbus, Ohio 43204 (614) 461-5262	AT&T of Ohio Tom Zeman 111 North 4th Street Columbus, Ohio 43215 (614) 223-7162	Wide Open West Tom Zeman 3675 Corporate Drive Columbus, Ohio 43201 (614) 846-4653

CITY OF DUBLIN, FRANKLIN COUNTY, OHIO PRIVATE SITE IMPROVEMENT PLAN FOR COTA PARK AND RIDE 2015



INDEX MAP
Scale: 1" = 100'

ZONING SUMMARY

Impacted Parcels:	
273-008630	0.8 Acres
273-008632	1.2 Acres
273-008633	1.4 Acres
273-008634	1.5 Acres
Total:	4.9 Acres
Ex. Site Area:	8.333 Acres
Total Impervious Area:	81.63 Acres (49%)
Disturbed Area:	82.92 Acres
Proposed COTA Park and Ride Parking Stalls:	169 Spaces

DEVELOPER/OWNER

City of Dublin
5800 Sher Rings Road
Dublin, Ohio 43016
Tel: (614) 410-4600
Fax: (614) 410-4747

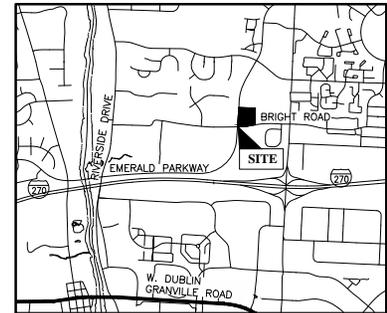
BENCH MARKS
(NAVD 1988)

- BM#1 Railroad spike in the south side of a wooden utility pole located on the north side of Bright Road, at the east entrance to the roundabout with Emerald Parkway. Elev. = 899.91
- BM#2 Chiseled "X" on the west flange bolt of a fire hydrant located on the east side of Emerald Parkway, being the first hydrant north of the roundabout with Bright Road. Elev. = 893.88
- BM#3 Chiseled "X" on the west flange bolt of a fire hydrant located on the east side of Emerald Parkway, being the second hydrant north of the roundabout with Bright Road. Elev. = 895.16

STANDARD CONSTRUCTION DRAWINGS

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

City of Dublin	City of Columbus
PD-01	AA-S102 AA-S133A
PD-02	AA-S106 AA-S149
PD-03	AA-S107 AA-S150
PD-04	AA-S112 AA-S151
PD-06	AA-S117 1441
PD-11	AA-S119 2000
RD-02	AA-S125A 2160
RD-05	
RD-07	
SI-03	
SI-04	
SI-05	



LOCATION MAP
Not to Scale

CITY OF DUBLIN APPROVAL

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

City Engineer, City of Dublin, Ohio _____ Date _____
Director of Land Use & Long Range Planning, City of Dublin, Ohio _____ Date _____

SHEET INDEX

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PREPARED BY:



60% SUBMITTAL
PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION
PLAN SET DATE
January 9, 2015



Registered Engineer No. 67860 _____ Date _____

REVISIONS
DATE
DESCRIPTION

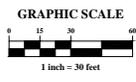
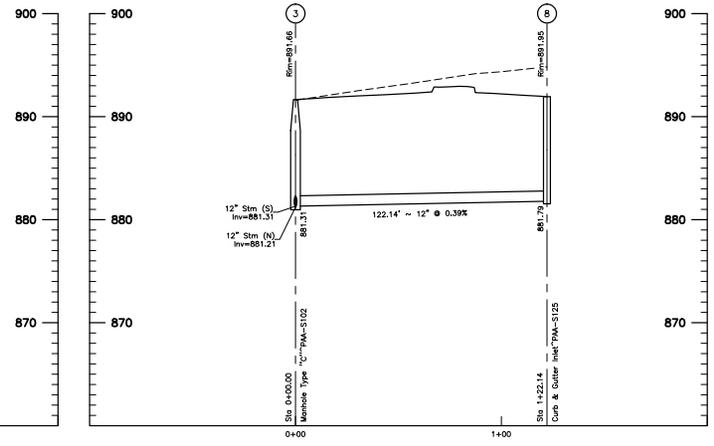
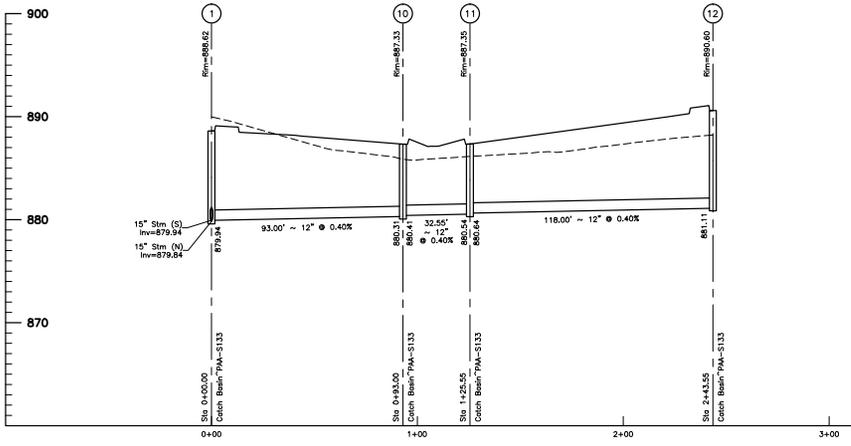
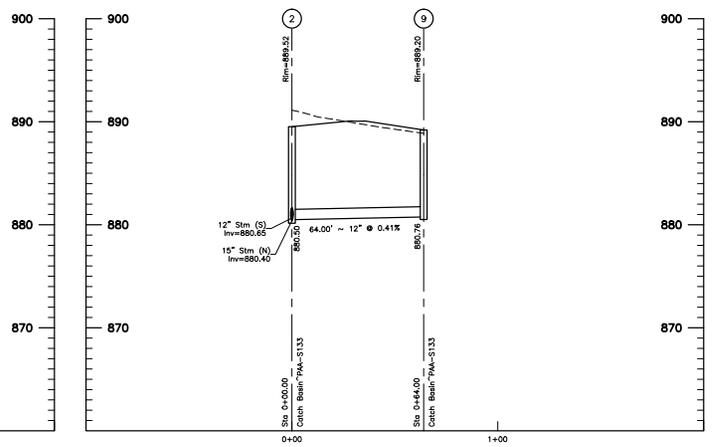
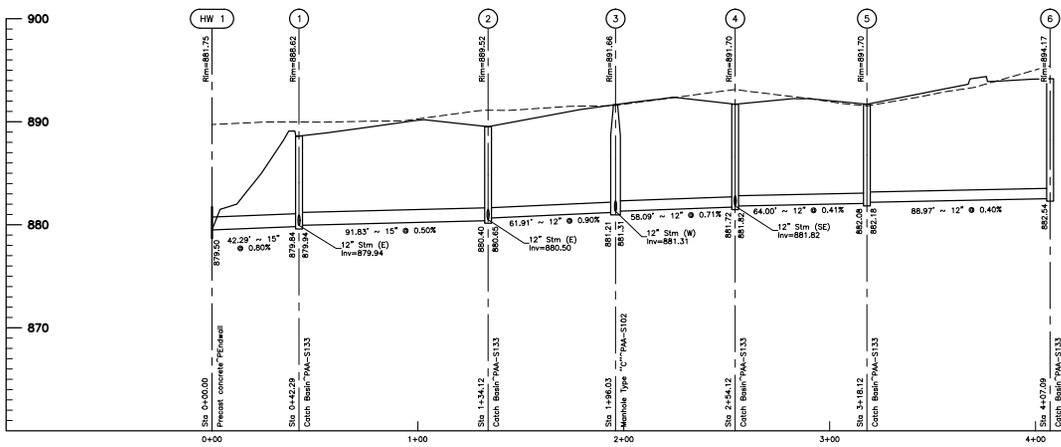


CITY OF DUBLIN, FRANKLIN COUNTY, OHIO
PRIVATE SITE IMPROVEMENT PLAN
COTA PARK AND RIDE
TITLE SHEET



DATE	January 9, 2015
SCALE	As Noted
JOB NO.	2014-6588
SHEET	1/14

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60% SUBMITTAL
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 NOT TO BE USED FOR CONSTRUCTION
 PLAN SET DATE
 January 9, 2015

NO.	DATE	DESCRIPTION

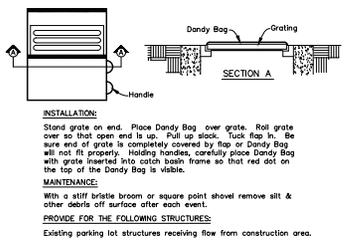


CITY OF DUBLIN, FRANKLIN COUNTY, OHIO
 PRIVATE SITE IMPROVEMENT PLAN
COTA PARK AND RIDE
 STORM SEWER PROFILES

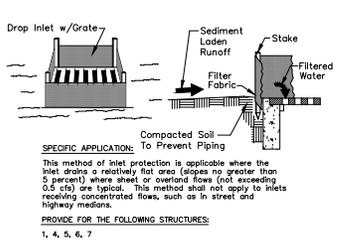


DATE	January 9, 2015
SCALE	Horiz: 1" = 30' Vert: 1" = 5'
JOB NO.	2014-0588
SHEET	8/14

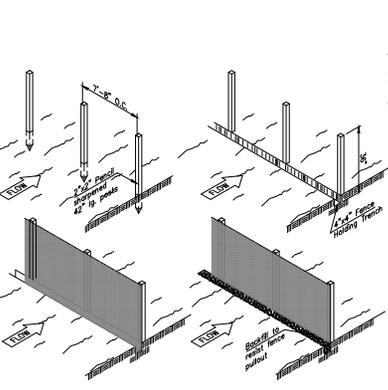
DANDY BAG SEDIMENT FILTER DETAIL



FILTER FABRIC DROP INLET SEDIMENT FILTER DETAIL



SEDIMENT FENCE BARRIER DETAIL



SILT FENCE:
This sediment barrier utilizes standard strength or extra strength synthetic filter fabrics. It is designed for situations in which only sheet or overland flows are expected.

MATERIAL PROPERTIES ARE:

- The height of a silt fence shall not exceed 36-inches (higher fences may impound volumes of water sufficient to cause failure of the structure).
- The filter fabric shall be purchased in a continuous roll cut to the length of the barrier to avoid the use of joints. When joints are necessary, filter cloth shall be spliced together only at a support post, with a minimum of a 4 inch overlap, and securely sealed.
- Posts shall be spaced a maximum of 10 feet apart at the barrier location and driven securely into the ground (minimum of 12-inches). Wood posts will be a minimum of 3/4" long. When extra strength fabric is used without the wire support fence, post spacing shall not exceed 6 feet.
- A trench shall be excavated approximately 4-inches wide and 6 inches deep along the line of posts and upslope from the barrier.
- When standard strength filter fabric is used, a wire mesh support fence shall be fastened securely to the upslope side of the posts using heavy duty wire staples at least 1-inch long. The wires or hog rings. The wire shall extend into the trench a minimum of 2-inches and shall not extend more than 36-inches above the original ground surface.
- The standard strength filter fabric shall be stapled or wired to the fence, and 8-inches of the fabric shall be extended into the trench. The fabric shall not extend more than 36-inches above the original ground surface. Filter fabric shall not be stapled to existing trees.
- When extra strength filter fabric and closer post spacing are used, the wire mesh support fence may be eliminated. In such a case, the filter fabric is stapled or wired directly to the posts with all other provisions of Item No. 6 applying.
- The trench ends be backfilled and soil compacted over the filter fabric.
- Silt fences shall be removed when they have served their useful purpose, but not before the upslope area has been permanently stabilized.
- Silt fences and filter barriers shall be inspected immediately after each rainfall and at least daily during prolonged rainfall. Any required repairs shall be made immediately.
- To prevent water ponding by the silt fence from flowing around the ends, each end shall be constructed upslope so that the ends are at a higher elevation.

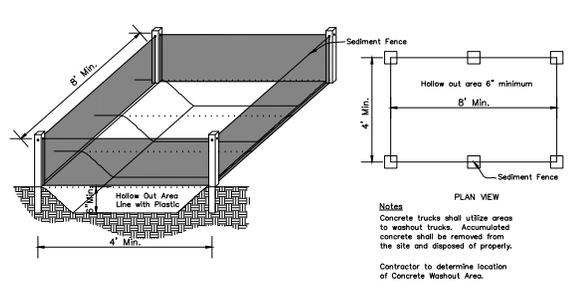
MAINTENANCE:
Should the fabric on a silt fence or filter barrier decompose or become ineffective prior to the end of the expected useful life and the barrier is still necessary, the fabric shall be replaced promptly.

Sediment deposits shall be removed after each storm event. They must be removed when deposits reach approximately one-half the height of the barrier.

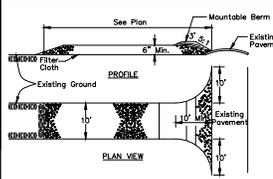
Any sediment deposits remaining in place after the silt fence or filter barrier is no longer required shall be dressed to conform with the existing grade, prepared and seeded.

FABRIC PROPERTIES	VALUES	TEST METHOD
Grab Tensile Strength90 lb. MinimumASTM 1682
Mullen Burst Strength190 psf MinimumASTM 3786
Slurry Flow Rate0.3 gal./min./1" Maximum	
Equivalent Opening Size40-80U.S. Std. Sieve CW-02215
Ultraviolet Radiation Stability90% MinimumASTM-G-26

CONCRETE WASHOUT AREA



STABILIZED CONSTRUCTION ENTRANCE



CONSTRUCTION SPECIFICATIONS:

- Stone Size - Use 2 inch stone, or reclaimed or recycled concrete equivalent.
- Length - As required.
- Thickness - Not less than six (6) inches.
- Width - Ten (10) foot minimum, but not less than the full width at points where ingress or egress occurs.
- Filter Cloth - Will be placed over the entire area prior to placing of stone.
- Surface Water - All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a mountable berm with 5:1 slopes will be permitted.
- Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public right-of-way. This may require periodic tilling/dressing with additional stone as conditions demand and repair and/or cleanup of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public right-of-way must be removed immediately.
- Washing - Wheels shall be cleaned to remove sediment prior to entrance onto public right-of-ways. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
- Periodic inspection and needed maintenance shall be provided after each rain.

EROSION & SEDIMENT CONTROL NARRATIVE

Plan Engineer: Evans, Mechwart, Hombelton & Tilton, Inc.
5500 New Albany Road
Columbus, OH 43054
Phone: (614) 775-4500
Fax: (614) 775-4600

Owner's Representative: City of Dublin
Ken Richardson
5800 Sher RINGS Road
Dublin, OH 43016
Phone: (614) 410-4631

On-Site Contact: City of Dublin
Ken Richardson
5800 Sher RINGS Road
Dublin, OH 43016
Phone: (614) 410-4631

CONTRACTOR RESPONSIBILITY: Details have been provided on the plans in an effort to help the Contractor provide erosion and sedimentation control. The details shown on the plan shall be considered a minimum. Additional or alternate details may be found in the O.G.A.R. Manual "Erosion and Land Development". The Contractor shall be solely responsible for providing necessary and adequate measures for proper control of erosion and sediment runoff from the site along with proper maintenance and inspection in compliance with the NRES General Permit for Stormwater Discharges Associated with Construction Activity.

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

Existing Site Conditions: The proposed development is located on approximately 3.3± acres within an existing site consisting of a mown grassy field with interspersed clusters of trees and shrubs. The existing topography of the site generally slopes from the southwest towards the northeast.

Existing Site Drainage Condition: Stormwater run off generated by the site discharges into Billingsley Creek.

Proposed Site Drainage Condition: The stormwater runoff generated by the site under post-developed conditions will be collected in catch basins and piped to a retention basin and released to Billingsley Creek.

Adjacent Areas: The site is located near adjacent to the existing Emerald Parkway and Bright Road roundabout.

Critical Areas: The most critical areas related to implementing the erosion and sediment control are the northern and eastern boundaries.

Stormwater Pollution Prevention Measures: Approximately 2.5± acres of land will be disturbed during the construction of this project. Stormwater pollution prevention will be accomplished through the implementation of the BMP's detailed on this sheet.

Sequence of Construction:

- Install the tree protection fence and erosion control devices.
- Reconnect existing utilities, remove trees, and demolition pavement, walks and curbs.
- Perform mass earthwork activities and begin building foundations. Install temporary seeding as needed.
- Install storm sewer and other utilities.
- Construct remainder of building.
- Final grade the site and install paving and landscape.
- Once site is stabilized, remove tree protection and erosion control devices.

REVISIONS

NO.	DATE	DESCRIPTION

City of Dublin

CITY OF DUBLIN, FRANKLIN COUNTY, OHIO
PRIVATE SITE IMPROVEMENT PLAN
COTA PARK AND RIDE
EROSION CONTROL DETAILS



DATE: January 9, 2015

SCALE: 1" = 40'

JOB NO.: 2014-0588

SHEET: 10/14

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION
PLAN SET DATE
January 9, 2015

Wet Basin

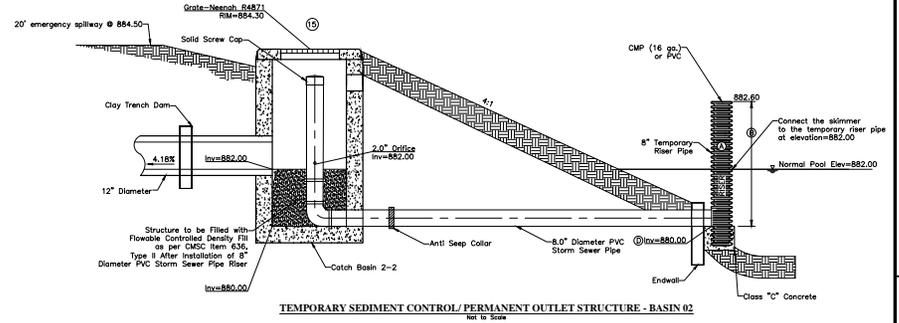
Inspection Item	Maintenance Procedures	Frequency of Inspection
Inlet/Outlet Structure & Side Slopes	<ul style="list-style-type: none"> Do not fertilize vegetation surrounding basin. Remove accumulated sediment and debris from inlet and outlet structures. Mow side slopes. 	Monthly
Basin Embankment	<ul style="list-style-type: none"> Repair undercut/eroded areas and stabilize. 	Every 6 months
Storm Sewer System	<ul style="list-style-type: none"> Remove debris from the sewer system to ensure positive flow to the basin. 	Every 6 months
Stormwater Basin	<ul style="list-style-type: none"> Inspect for damage, paying particular attention to the outlet control structure. Check for signs of eutrophic conditions (algal build-up). Note signs of hydrocarbon build-up, remove appropriately. Monitor sediment accumulation in the facility. Examine to ensure inlet and outlet devices are free of debris and are operational. Inspect for invasive vegetation if wetland components included. 	Annually
Stormwater Basin Sediment Accumulation	<ul style="list-style-type: none"> Monitor sediment accumulations, and remove sediment when the pool volume has become reduced significantly (25% of permanent pool volume lost), or the pond becomes eutrophic. 	5 to 10 years

The Owner shall be responsible for the inspection and maintenance of the stormwater basin, associated outlet structure and all other maintenance procedures listed above. Inspections and maintenance that are conducted shall be documented and filed for future reviews by the City of Dublin.

Stormwater Basins treat incoming stormwater runoff by physical, biological, and chemical processes. The primary removal mechanism is the gravitational settling of particulates, organic matter, metals, bacteria and organics as stormwater runoff resides in the basin. Another mechanism for pollutant removal is uptake by algae and wetland plants in the wet basin permanent pool, particularly removing nutrients. Other contaminants such as hydrocarbons are broken down and eliminated by volatilization and chemical activity. Stormwater Basins are utilized to remove 80% of the total suspended solids load in typical urban post-development runoff when designed and maintained properly.

Stormwater basins naturally collect sediment, including gravel, sand, and mud, as well as other debris like litter. To maintain its capacity and function, a basin should be kept free of excessive debris, litter, and sediment. The permanent pool for the proposed basin is designed to be eight feet in depth. This design depth should be verified every 5-10 years to ensure that the basin will continue to function properly. Property owners or contracted personnel shall use a boat, canoe, kayak, or similar means to position themselves in the middle of the stormwater basin. Several measurements around center of the stormwater basin shall be taken using a Stadia Rod to determine the depth of the permanent pool. Measurements taken when basin water level is at N.P. Elevation (Min. 72 hours after rain event). Once the depth of the stormwater basin reaches four feet or less, the accumulated sediment shall be excavated to restore the permanent pool depth to eight feet in depth. The stormwater basin is to be temporarily drained/pumped down so that the accumulated sediment can be removed. Sediment excavated from stormwater basin is required to be tested to determine where to appropriately dispose the material off-site. Sediment removed from the stormwater basin should be stored properly until disposal to ensure no exposure to stormwater runoff and properly disposed of per local guidelines.

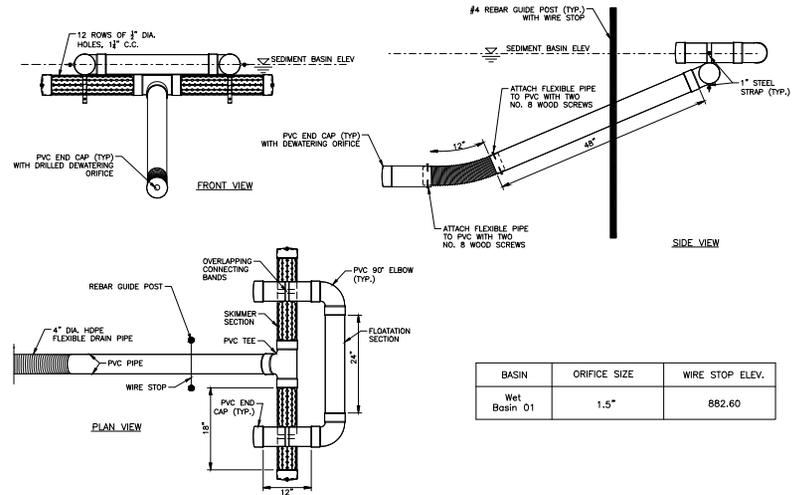
INSPECTION AND MAINTENANCE



TEMPORARY SEDIMENT CONTROL/PERMANENT OUTLET STRUCTURE - BASIN 02
Not to Scale

TEMPORARY SEDIMENT CONTROL STRUCTURE SCHEDULE								
BASIN	TRIBUTARY ACREAGE	DISTURBED ACREAGE	REQUIRED BASIN DEWATERING VOLUME (67 CVAC)	PROVIDED BASIN DEWATERING VOLUME	REQUIRED SEDIMENT STORAGE VOLUME (77 C.Y. DISTURBED A.C.)	PROVIDED SEDIMENT STORAGE VOLUME	CONTROL STRUCTURE TEMPORARY RISER PIPE DIAMETER (A)	TEMPORARY RISER HEIGHT (B)
Wet Basin 01	2.62 Ac	2.62 Ac	177.5 CY	876.0 CY	96.8 CY	195.2 CY	8"	2.6'

Required Dewatering Volume Drawdown > 48 Hrs.



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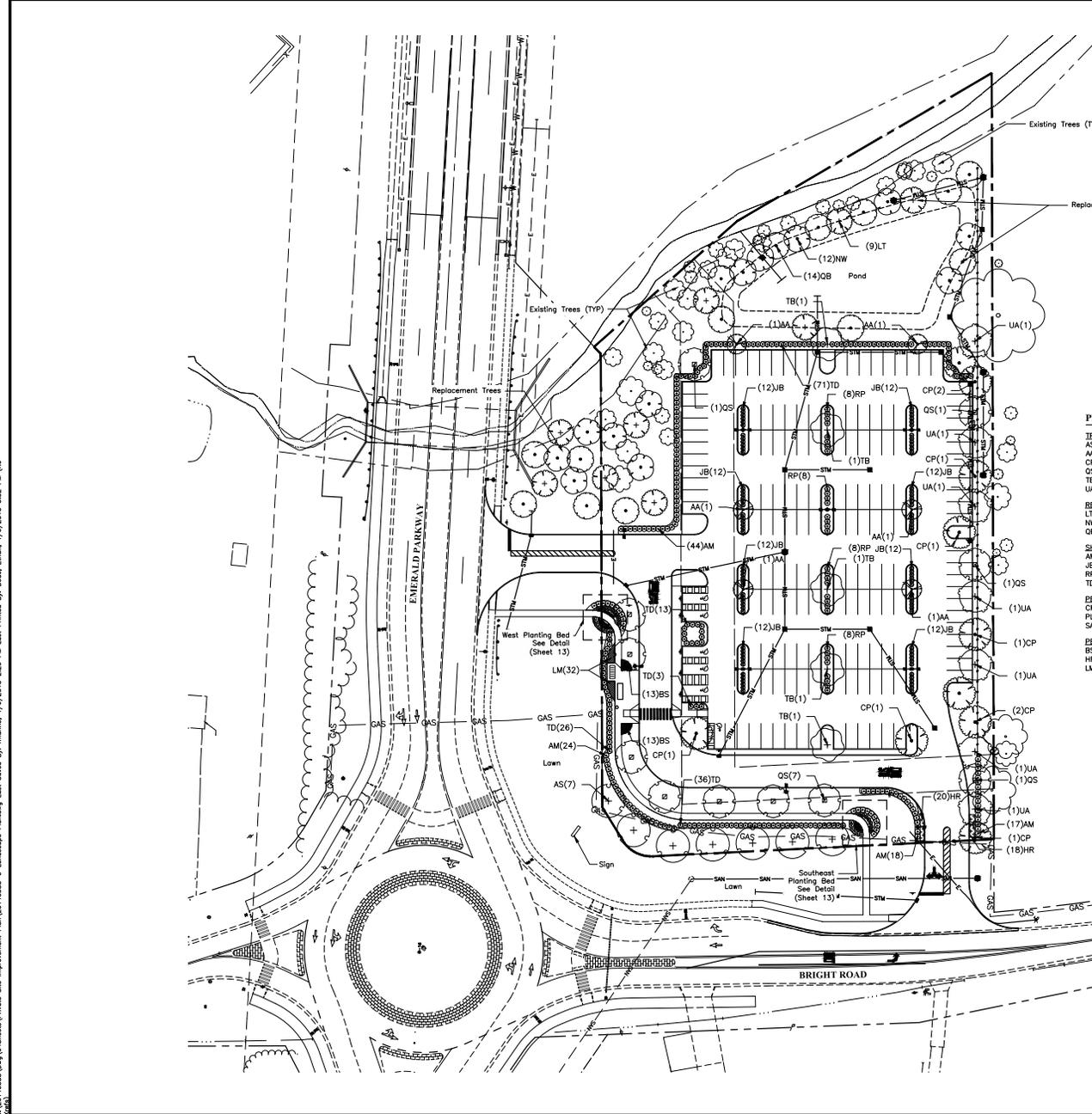
CITY OF DUBLIN, FRANKLIN COUNTY, OHIO
PRIVATE SITE IMPROVEMENT PLAN
COTA PARK AND RIDE
OUTLET CONTROL STRUCTURE DETAILS



DATE
January 9, 2015
SCALE
1" = 40'
JOB NO.
2014-0588
SHEET
11/14

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20140805.dwg Landscape Plan Improvement Plan 20140805-3 Landscape Planing Last Saved By: Irmann, 1/9/2015 2:20 PM Last Printed By: Bobo, Ethen, 1/9/2015 3:32 PM (No



LANDSCAPE CALCULATIONS

153.133.A.4 - PROPERTY PERIMETER REQUIRES 1 TREE PER 40 LF OF EAST PROPERTY BOUNDARY AND 6' HT PLANTING, FENCE, WALL OR MOUND
 $4577 / 40 = 114$ TREES REQUIRED
 15 TREES AND 6' HT FENCE PROVIDED

 153.133.A.5 - VEHICULAR USE AREA PERIMETER REQUIRES 1 TREE PER 40 LF OF VIA BOUNDARY AND 3.5' HT HEDGE
 $41360 / 40 = 1034$ TREES REQUIRED
 15 TREES PROVIDED AND EXISTING TREES TO REMAIN
 3.5' HT HEDGE AND 6' HT FENCE PROVIDED

 153.133.B.2 - FOR EACH 100 SF OR FRACTION THEREOF, OF VEHICULAR USE AREA, A MINIMUM TOTAL OF 3 SQUARE FEET OF LANDSCAPED AREA SHALL BE PROVIDED (5%)
 $477,300 \text{ SF} \times .05 = 23,865 \text{ SF}$ REQUIRED
 $= 23,865 \text{ SF}$ PROVIDED

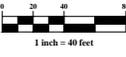
 153.133.B.3.A - MINIMUM OF 1 TREE FOR EVERY 5,000 SF OF GROUND COVERAGE. TREES MUST BE AT LEAST 2" OF CALIPER AT INSTALLATION
 1 TREE PER 5000 SF =
 $477,300 \text{ SF} / 5000 = 95$ TREES

 153.134 - EXISTING STREET TREES TO REMAIN
 153.146.A - EXISTING TREES TO BE REMOVED = 881 DBH
 REPLACEMENT TREES = 87 CALIPER INCHES
 794 CALIPER INCHES NOT PROVIDED

PLANT SCHEDULE

TREES	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONDITION	
AS	7	Acer freemanii 'Sienna Glen'	Freeman Maple	2.5" Cal.	B&B	
AA	6	Amelanchier canadensis 'Tradition'	Tradition Serviceberry	2.5" Cal.	B&B	
CP	10	Celtis occidentalis 'Prairie Pride'	Prairie Pride Hackberry	2.5" Cal.	B&B	
OS	11	Quercus shumardii	Shumard Oak	2.5" Cal.	B&B	
TB	5	Tilia americana 'Boulevard'	Boulevard Linden	2.5" Cal.	B&B	
UA	7	Ulmus parvifolia	Laobank Elm	2.5" Cal.	B&B	
REPLACEMENT TREES	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONDITION	
LT	9	Liriodendron tulipifera	Tulip Tree	2.5" Cal.	B&B	
NW	12	Nyssa sylvatica 'Wildfire'	Wildfire Black Gum	2.5" Cal.	B&B	
QB	14	Quercus bicolor	Swamp White Oak	2.5" Cal.	B&B	
SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONDITION	
AM	124	Aronia melanocarpa 'Autumn Magic'	Autumn Magic Black Chokeberry	36" Ht.	B&B	
JB	96	Juniperus sabbina 'Buffalo'	Buffalo Juniper	18" Spr.	Cont.	
RP	32	Rosa Meiland series	Meiland Rose	24" Spr.	Cont.	
TD	149	Taxus x media 'densiformis'	Dense Yew	36" Ht.	B&B	
PERENNIALS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONDITION	
CM	14	Careopsis verticillata 'Moonbeam'	Moonbeam Coreopsis	#2	Cont.	
PL	14	Parovaskia atriplicifolia 'Little Spire'	Little Spire Russian Sage	#2	Cont.	
SA	16	Sedum spectabile 'Autumn Joy'	Autumn Joy Sedum	#2	Cont.	
PERENNIALS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONDITION	SPACING
BS	26	Baptisia spherocephala 'Screaming Yellow'	Screaming Yellow False Indigo	#2 Cont.		24" o.c.
HR	38	Hemerocallis 'Happy Returns'	Happy Returns Daylily	#2 Cont.		24" o.c.
LM	32	Lavandula a. 'Munstead Strain'	Munstead Lavender	#2 Cont.		24" o.c.

GRAPHIC SCALE



PRELIMINARY
 NOT TO BE USED FOR CONSTRUCTION

PLAN SET DATE
 JANUARY 9, 2015

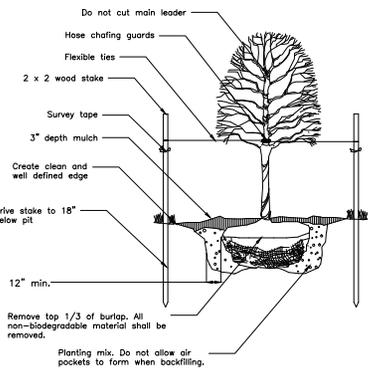
REVISIONS	DATE	DESCRIPTION



CITY OF DUBLIN, FRANKLIN COUNTY, OHIO
 PRIVATE SITE IMPROVEMENT PLAN
COTA PARK AND RIDE
 LANDSCAPE PLAN

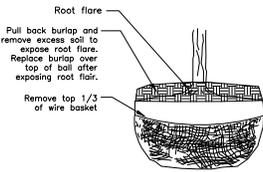


DATE	JANUARY 9, 2015
SCALE	1" = 40'
JOB NO.	2014-0588
SHEET	12/14

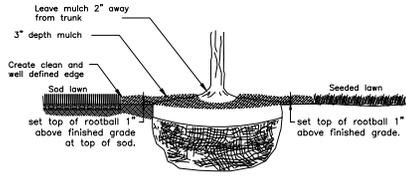


Note: Do NOT stake replacement trees

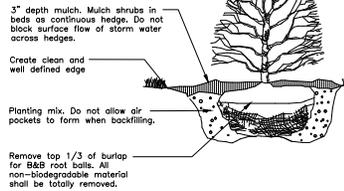
Deciduous Tree Planting
No Scale



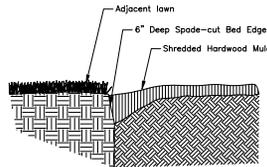
Rootball Preparation
No Scale



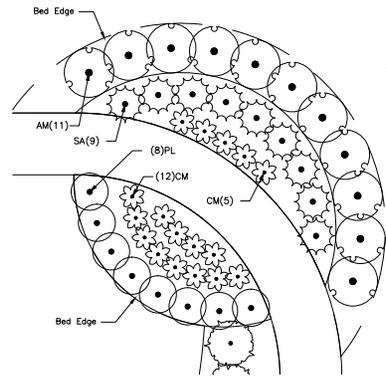
Rootball Setting
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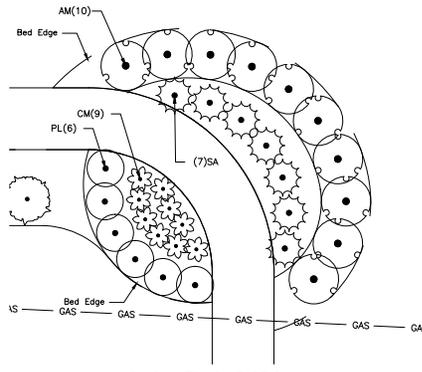
Shrub Planting
No Scale



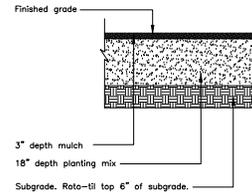
Planting Bed Edge
No Scale



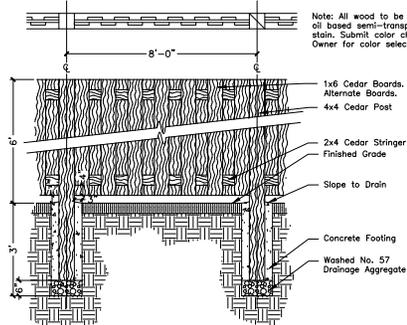
West Planting Bed Enlargement
1\"/>



Southeast Planting Bed Enlargement
1\"/>



Planting Area Establishment
No Scale



6\"/>

GENERAL NOTES

- Prior to installation, the landscape contractor shall inspect the general site conditions and verify the subgrade, elevations, utility locations and topsoil provided by general contractor. The landscape contractor shall notify the general contractor of any unsatisfactory conditions and work shall not proceed until such conditions have been corrected and are acceptable to the landscape contractor.
- All plants shall meet or exceed standards set in the American Standard for Nursery Stock, ANSI Z60.1, 2004. All plants shall equal or exceed the measurements and sizes specified in the schedule.
- All planting operations shall adhere to American Nursery & Landscape Association standards unless noted otherwise.
- Substitutions shall be permitted with notification and written approval from the Owner. Substituted material shall be equivalent or greater in size than the specified plant. Substituted plants shall have the same essential characteristics or growth habit of the specified plant.
- Confirm location of all utilities and subsurface drain lines prior to plant installation.
- Contractor may slightly field adjust plant locations as necessary to avoid utilities. Finished planting beds shall be graded to provide positive drainage.
- Contractor shall repair all lawn areas disturbed during construction with seed and warrant a healthy, weed free lawn prior to project acceptance.
- Seed all areas within contract limits that are not covered by paving, buildings or planting beds unless otherwise noted. Seeding shall not begin until area has received topsoil and finished grade.
- Mulch planting beds with shredded hardwood mulch of uniform dark brown color. It shall be free of twigs, leaves, disease, pest or other material unsightly or injurious to plants. Average applied thickness shall be 3\"/>

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION
PLAN SET DATE
January 9, 2015

REVISIONS	DATE	DESCRIPTION



CITY OF DUBLIN, FRANKLIN COUNTY, OHIO
PRIVATE SITE IMPROVEMENT PLAN
COTA PARK AND RIDE
LANDSCAPE DETAILS



DATE	January 9, 2015
SCALE	As Noted
JOB NO.	2014-0588
SHEET	13/14

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