

**GENERAL NOTES**

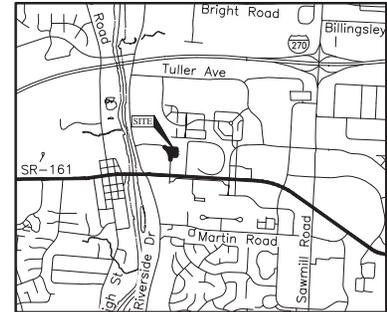
- City of Columbus and Ohio Department of Transportation Construction and Material Specifications, current editions, and any supplements thereto (hereafter referred to as Standard Specifications), shall govern all construction items unless otherwise noted. If a conflict between specifications is found, 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 contract 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 utility or careless destruction, the Contractor shall be responsible for restorations. Resetting of markers shall be performed by an Ohio Professional Surveyor as approved by the City Engineer.
  - Non-rubber tired vehicles shall not be moved on or across public streets or highways without the written permission of the City Engineer.
  - The Contractor shall restore all disturbed areas to equal or better condition than existed before construction. Drainage ditches or 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 97.38 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 solid 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 appearances 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 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 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' 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 CDP. Type II 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 Shier 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 nonworking hours. Trenching operations 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 15 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.
  - Conduit must be directionally bored across streets instead of open cut, unless specifically approved by the City Engineer. Use of pneumatic air 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 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.
  - All inlets shall be channelized.
  - Park areas 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: 55%  
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 anchor 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 labels shall be brown in color and conform with the Type S, square post anchor base installation requirements of ODOT TC-41.20.

**UTILITIES**

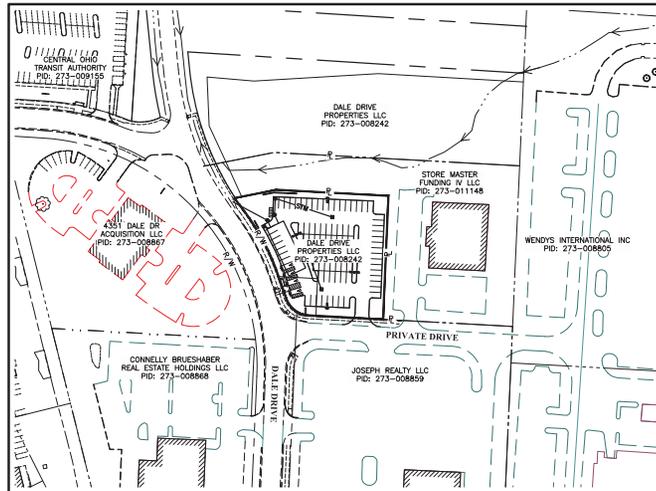
- The following utilities are known to be located within the limits of this project
- |   |  |  |   |
|---|--|--|---|
| Columbia Gas of Ohio<br>Rob Caldwell - Field Engineer<br>1600 Dublin Road<br>Columbus, Ohio 43212             | City of Dublin<br>Division of Engineering<br>Ken Richardson, P.E.<br>5800 Shier Rings Road<br>Dublin, Ohio 43016<br>(614) 410-4631 | City of Columbus<br>Division of Power and Water<br>(Water)<br>910 Dublin Road, 2nd Floor<br>Columbus, Ohio 43215<br>(614) 645-7677 | Verizon<br>Bill Mueller<br>500 Leister Street<br>Marion, Ohio 43302<br>(740) 393-0527 |
| American Electric Power<br>Rob Stoner<br>850 Tech Center Drive<br>Columbus, Ohio 43230-6605<br>(614) 883-6829 | Time Warner Cable<br>AT&T of Ohio<br>Tom Ziemer<br>111 North 4th Street<br>Columbus, OH 43215<br>(614) 481-5262                    | Wide Open West<br>Tom Ziemer<br>2678 Corporate Drive<br>Columbus, Ohio 43231<br>(614) 948-4653                                     |   |

Notes continued on Sheet 2

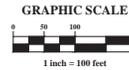
**CITY OF DUBLIN, FRANKLIN COUNTY, OHIO  
PRIVATE SITE IMPROVEMENT PLAN  
FOR  
COTA PARK AND RIDE  
2015**



**LOCATION MAP**  
Not to Scale



**INDEX MAP**  
Scale: 1" = 100'



**SHEET INDEX**

|                           |   |
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| Title Sheet               | 1 |
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**SITE DATA**

|   |             |
|---|-------------|
| Existing Site Area:                         | ±0.61 Acres |
| Proposed Site Area:                         | ±0.88 Acres |
| Pre-Developed Impervious Area:              | ±0.00 Acres |
| Post-Developed Impervious Area:             | ±0.67       |
| Disturbed Area:                             | ±0.88 Acres |
| Proposed COTA Park and Ride Parking Stalls: | 85 Spaces   |

**DEVELOPER/OWNER**

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

**ENGINEER**

EM&RT Inc.  
5500 New Albany Road  
Columbus, Ohio 43054  
Tel: (614) 775-4500  
Fax: (614) 775-4800

**PROJECT DESCRIPTION**

This is a proposal for a new development of a COTA Park and Ride parking lot, an approximately 0.88 acres, located to the east of Dale Drive and to the north of a private road connecting Dave Thomas Blvd and Dale Drive.

**PRELIMINARY**  
NOT TO BE USED FOR CONSTRUCTION

**PLAN SET DATE**  
May 26, 2015

|             |
|-------------|
| REVISIONS   |
| DATE        |
| DESCRIPTION |



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



|         |              |
|---------|--------------|
| DATE    | May 26, 2015 |
| SCALE   | As Noted     |
| JOB NO. | 2014-6588    |
| SHEET   | 1/7          |

- The Contractor shall give notice to construct to Ohio Utilities Protection Service (telephone number 800-367-2764, Producer's Underground Protection Service (telephone number 614-587-0486), and to owners of underground utilities that are not members of a registered underground protection service. Notice shall be given at least 7 working days before start of construction.
- The identity and locations of existing underground utilities in the construction area have been shown on the approved construction drawings as accurately as provided by the owner of the underground utility. The City of Columbus and the City Engineer assumes no responsibility for the accuracy or depths of underground facilities shown on the approved construction drawings. If damage is caused, the Contractor shall be responsible for repair of the same and for any resulting contingent damage.
- Location, support, protection and restoration of all existing utilities and appurtenances, whether shown or not shown on the approved construction drawings, shall be the responsibility of the Contractor.
- When unknown or incorrectly located underground utilities are encountered during construction, the Contractor shall immediately notify the City Engineer.
- Public street lighting may be in the vicinity of this project. Contact the City of Dublin, Division of Engineering at 410-4637, two days prior to beginning work.

#### TRAFFIC CONTROL

- Traffic control shall be furnished, erected, maintained, and removed by the Contractor according to Ohio Manual of Uniform Traffic Control Devices (MUTCD), current edition.
- All traffic lanes of public roadways shall be fully open to traffic from 7:00 AM to 5:00 AM and from 4:00 PM to 6:00 PM unless authorized differently by the City Engineer. At all other hours the Contractor shall maintain minimum one-lane two-way traffic. Uniformed, off-duty police officers shall replace flagmen designated by the MUTCD and shall be present whenever one-lane, two-way traffic control is in effect. Police officers may be required as directed by the City Engineer.
- If the City Engineer determines proper provisions for traffic control are not being provided by the Contractor, the City Engineer shall assign uniformed, off-duty police officers to the project at no cost to the City.
- Steady-burning, Type "C" lights shall be required on all barricades, drums, and similar traffic control devices in use at night.
- Access from public roadways to all adjoining properties for existing residents or businesses shall be maintained throughout the duration of the construction project. 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.

#### 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 CEPA 45 days prior to the start of construction and may entitle coverage under the Ohio EPA General Permit for Stormwater Discharges associated with construction activities. A project location may not 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 been included with the approved construction drawings, this plan must be made available at the project site at all times. The date of erosion control plan approval shall be included in the approved construction drawings. The City Engineer will require a Stormwater Discharge Permit if the project is subject to the National Sanitation Standards, and the City Engineer. An individual NPDES Stormwater Discharge Permit may be required. The Contractor shall be considered the permittee.
- The Contractor shall provide sediment control at all points where storm runoff leaves the project, including creeks, wetland, stream flow, and storm sewers.
- Accepted methods of providing erosion/sediment control include but are not limited to sediment basins, silt filter fence, aggregate check dams, and temporary ground cover. Hay or straw bales are not permitted.
- The Contractor shall provide adequate drainage of the work area at all times consistent with erosion control practices.
- Disturbed areas that will remain unworked for 21 days or more shall be seeded or protected within seven calendar days of the disturbance. Other sediment controls that are installed shall be maintained until vegetative grass has been established. The Contractor shall be responsible for removal of all temporary sediment devices at the conclusion of construction but not before growth of permanent ground cover.

#### BLASTING (IF PERMITTED)

- The Contractor must obtain a blasting permit from Washington Township Fire Department prior to blasting for rock excavation. The Contractor shall submit blasting reports upon completion of blasting by the City Engineer, the Owner, and the Owner's engineer. Top of rock excavations shall be shown on "as-built" construction drawings.

#### SANITARY SEWERS

- Construction of the sanitary sewer will be permitted upon receiving a CEPA Permit to Install (PTI). The city is responsible for obtaining required Ohio EPA approval and permit review fees.
- Sanitary sewer collection systems shall be constructed in accordance with the rules, regulations, standards and specifications of the City of Dublin, Ohio EPA, Ohio Department of Health and the current edition of the Great Lakes - Upper Mississippi River Board (Ten States) - Recommended standards for wastewater facilities.
- The minimum requirements for sanitary sewer pipes with diameters 15 inch and smaller shall be reinforced concrete pipe ASTM C76 Class 3, or PVC sewer pipe ASTM D3034, SDR 35. Pipe for 8 inch diameter shall be in place until the PVC pipe is in place. PVC pipe shall not be used on pipe sections greater than 25 feet. Instead Ductile Iron, C. 50 (AWWA 151) shall be used with prior written approval by the City Engineer. Pipe materials and related structures shall be shop tested in accordance with City of Columbus Construction Inspection Division quality control requirements.
- The minimum requirements for sanitary sewer pipes with diameters greater than 15 inch shall be reinforced concrete pipe ASTM C76 with class according to the approved construction drawings.
- All in-line eye and tee connections in concrete sewers, 18 inch diameter and larger, shall be either Kor-N-Tee or Kor-N-Seal connections conforming to the manufacturer's recommendations.
- Granular backfill shall be compacted granular material according to item 912 of the Standard Specifications or Controlled Density Backfill according to item 636, Type III of the Standard Specifications as directed by the City Engineer.
- All manhole lids shall be provided with continuous self-sealing gaskets. The approved construction drawings shall show where lift-down lids are required. Sanitary sewer manholes shall be precast concrete or as approved by the City Engineer and conform to the City of Dublin sanitary manhole standard drawing. Manhole lids shall include City of Dublin logo.
- All PVC sewer pipes shall be deflection tested no less than 60 days after completion of backfilling operations. All other requirements shall be according to item 901.21 of the Standard Specifications.
- Temporary bulkheads shall be placed in pipes at locations shown on the approved construction drawings and shall remain in place until the sewers have been approved for use by the City Engineer. The cost for furnishing, installing, maintaining, and removing bulkheads shall be included in the contract unit price for the various sanitary sewer items.
- All sanitary sewers including sanitary sewer service lines shall be subjected to and pass infiltration or exfiltration tests according to item 901 of the Standard Specifications and must be approved for use by the City Engineer before any service connections are tapped into them.
- For sanitary sewer infiltration, leakage through joints shall not exceed 100 gallons per inch of tributary sewer pipe per 24 hours per mile of length or the completed equivalent. All sanitary sewers shall be tested.
- At the determination of the City Engineer, the Contractor may be required to perform a TV inspection of the sanitary sewer system prior to final acceptance by the City. This work shall be completed by the Contractor at his expense.
- Visible leaks or other defects observed or discovered during TV inspection shall be reported to the satisfaction of the City Engineer.
- Roof drains, foundation drains, field tile or other clean water connections to the sanitary sewer system are strictly prohibited according to Section 512.03 of the Dublin Code of Ordinances.
- All water lines shall be located at least 10 feet horizontally and 18 inches vertically, from sanitary sewers and storm sewers, to the closest sanitary sewers, storm water mains or other sewers or other utilities, trench backfills shall be placed between the pipes crossing and shall be compacted granular material according to item 912 of the Standard Specifications. In the event that a water line must cross within 18 inches of a sanitary sewer, the sanitary sewer shall be concrete encased and consist of ductile iron pipe.
- Service risers shall be installed where the depth from man to proposed ground elevation exceeds 10 feet. Tops of risers shall be no less than 9 feet below proposed ground elevation if basement service is intended.
- Where service risers are not installed, a minimum 5-foot length of sanitary sewer service pipe of the same size as the eye opening shall be installed.
- The Contractor shall furnish and place, as directed, approved eye risers made of 2 inches x 2 inches lumber at all eye locations, ends of extended services, or at the end of each riser where risers are required. Eye pipes shall be stable before acceptance by the City. The cost of these pipes shall be included in the contract unit price for the various sewer items.
- Existing sanitary sewer flows shall be maintained at all times. Costs for pumping and bypassing shall be included in the Contractor's unit price bid for the related items.

- The Contractor shall furnish all material, equipment, and labor to make connections to existing manholes. The sewer pipe to manhole connections for all sanitary sewers shall be feasible and watertight. All holes shall be neatly caulked. The sewer pipe shall not extend more than 1 inch beyond the inside face of the manhole. To maintain feasibility in the connection, a 1-inch space shall be left between the end of the pipe inside the manhole and the manhole wall. This space shall be filled with a waterproofable joint filler. Any metal that is used shall be Type 304 Series Stainless Steel. The connection may be any of the following types:
  - Rubber gasket compression.
  - Press Wedge II as manufactured by Press-Seal Gasket Corporation.
  - Dura Seal III as manufactured by Dura Tech, Inc.
  - Liv-Seal as manufactured by Thunderline Corporation.
  - Or equal as approved by the City Engineer.
- The cost for this work along with a new charonized base for the manhole shall be included in the unit bid price for the related items of work.

#### WATERLINE

- All water line materials shall be provided and installed according to current specifications of the City of Columbus Division of Power and Water (Water).
- All public water pipe with a diameter 3 inches to 8 inches shall be Ductile Iron, Class 53. Public water pipe 12 inch diameter or larger shall be replace fire hydrant. All 54, Public water pipe 30 inches in diameter or larger may be prestressed concrete pipe. Private water pipe shall meet the approval of the City of Columbus Division of Power and Water (Water) prior to approval of the construction drawings.
- Only fire hydrants conforming to City of Columbus standards will be approved for use.
- Public water lines shall be dewatered by the City of Columbus Division of Power and Water (Water). Requests for water line dewatering shall be made through the City of Dublin Division of Engineering. The cost for dewatering shall be paid for by the Contractor.
- All water lines shall be dewatered according to item 801.13 of the Standard Specifications. Special attention is directed to applicable portions of American Water Works Association specifications for water service for building (Section 5) and for chlorinating valves and fire hydrants (Section 7). Pressure testing shall be performed in accordance with Section 801.12 of the Standard Specifications and Material Specifications. Water lines are ready for dewatering, the City of Dublin shall submit two (2) sets of "as-built" plans, and a letter stating that the water lines have been pressure tested and need to be dewatered, to the City of Columbus, Division of Power and Water (Water). The Contractor shall be responsible for all costs associated with the dewatering of all water lines construction per this plan. Pressure testing shall be performed in accordance with Section 801.12 of the City of Columbus Construction and Material Specifications.
- The Contractor shall point all fire hydrants according to City of Dublin standards. The cost of painting fire hydrants shall be included in the contract unit price for fire hydrants.
- No water taps or service connection permits (i.e., curb stops or meter pits) may be issued until adjacent public water lines have been dewatered. The contractor shall be responsible for all costs associated with the dewatering of all water lines construction per this plan. Pressure testing shall be performed in accordance with Section 801.12 of the City of Columbus Construction and Material Specifications.
- The Contractor shall notify the City of Columbus Division of Power and Water (Water) at 645-7788 and the City of Dublin Division of Engineering at least 24 hours before tapping into existing water lines.
- All water main stationing shall be based on street centerline stationing.
- All bends, joint deflections and fittings shall be backed with concrete per City of Columbus standards.
- The Contractor shall give written notice to all affected property owners of least 1 working day but not more than 2 working days prior to any temporary interruption of water service, interruption of water service shall be minimized and must be approved by the City Engineer.
- Water meters shall be installed inside proposed structures unless a meter pit installation is approved by the City of Columbus Division of Power and Water (Water). Meter pits must conform to standard drawings T-7103, ABB for 5/8" through 1" meters or L-6317, A,B,C,D for 1-1/2" or larger meters.
- Water lines to be installed in embankment areas shall be placed after the embankment has been placed and compacted according to the Standard Specifications.
- Curb stop boxes shall be located at least 2 feet inside the right-of-way or 1 foot inside of sidewalk towards the curb and set at finished grade.
- If the top of the operating cut of any valve is greater than 36 inches below finished grade, an extension stem shall be furnished to bring the top of the operating nut to within 24 inches of finished grade elevation.
- All water lines shall be placed at a minimum depth of 4 feet measured from top of finished grade to top of water line. Meter lines shall be set deeper at all points where necessary to clear existing or proposed utility lines or other underground restrictions by a minimum of 18 inches.
- Two 3/4 inch pipe shall be installed within 2 feet of the end of a line on all dead-end water lines.
- All water mains shall be cleaned and flushed, and any water main 12-inch and larger must be properly pigged, in accordance with section 801.11 of the City of Columbus, Construction and Material Specifications.

- All storm water detention and retention areas and major flood routing swales shall be constructed to finish grade and hydro-seeded and hydro-mulched according to items 651 and 658 of the Standard Specifications.
- Where private storm sewers connect to public storm sewers, the last run of private storm sewer connecting to the public storm sewer shall be reinforced concrete pipe conforming to ASTM Designation C76, Wall B, Class IV for pipe diameters 12 inches to 15 inches, Class III for 18 inches to 24 inch pipes, and 27 inches and larger pipe shall be Class II, unless otherwise shown on the approved construction drawings. Inspection is required by the City of Dublin's Division of Engineering.
- Granular backfill shall be compacted granular material according to item 912 of the Standard Specifications or Controlled Density Backfill according to item 636, Type III of the Standard Specifications as directed by the City Engineer.
- All storm sewers shall be Reinforced Concrete Pipe conforming to ASTM Designation C76, Wall B, Class IV for pipe diameters 12 inches to 15 inches, Class III for 18 inches to 24 inch pipes, and 27 inches and larger pipe shall be Class II, unless otherwise shown on the approved construction drawings.
- All 8 inch storm sewers shall be Ductile Iron Pipe conforming to the material specification of AWWA C151, joint Specification of AWWA C111, and Bedding Classification of ASTM C-12. All Ductile Iron Pipe shall be concrete encased per City of Columbus Standard Drawing AA-5148.
- Headwalls and catchbasins shall be required at all storm sewer inlets or outlets to and from stormwater management facilities. Natural stone and/or brick approved by the City Engineer shall be provided on all visible headwalls and/or entrance surfaces. Surfaces to be acid washed before approval of stone facing.
- Storm inlets or catch basins shall be channeled and have bicycle safe grates.
- Storm sewer outlets greater than 18 inches in diameter accessible from stormwater management facilities or watercourses shall be provided with safety grates, as approved by the City Engineer.

#### STORM SEWERS

- The Contractor shall be responsible to ensure that U.S. Mail delivery within the project limits is not disrupted by construction operations. This responsibility is limited to relocation of mailboxes to a temporary location that will allow the completion of the work and shall also include the restoration of mailboxes to their original location or replacement with a new mailbox. Any relocation of mailbox services must be first coordinated with the U.S. Postal Service and the homeowner.
- Before relocating any mailboxes, the Contractor shall contact the U.S. Postal Service and relocate mailboxes according to the requirements of the Postal Service.

#### MAIL DELIVERY

- The Contractor shall be responsible to ensure that U.S. Mail delivery within the project limits is not disrupted by construction operations. This responsibility is limited to relocation of mailboxes to a temporary location that will allow the completion of the work and shall also include the restoration of mailboxes to their original location or replacement with a new mailbox. Any relocation of mailbox services must be first coordinated with the U.S. Postal Service and the homeowner.
- Before relocating any mailboxes, the Contractor shall contact the U.S. Postal Service and relocate mailboxes according to the requirements of the Postal Service.

#### USE OF FIRE HYDRANTS

- The Contractor shall make proper arrangements with the Dublin Fire Department and the Columbus Division of Power and Water for the use of fire hydrants which are used for work performed under this contract and provide the City of Dublin a copy of the Hydrant Usage Permit obtained from the City of Columbus. The Contractor shall also send copies of permits obtained from the City of Columbus to the Dublin and Perry Township Fire Department. Permits shall be kept at the construction site at all times.
- Before the fire estimator is to submit a letter from the City of Columbus Division of Power and Water (Water) to the City Engineer stating that the Contractor has returned the Stamese Valve to the City of Columbus and has paid all charges from the use of the fire hydrants.

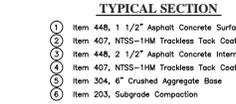
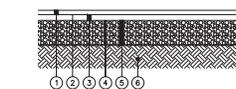
#### MISCELLANEOUS - DEVELOPER NOTES

- High Density Polyethylene (HDPE) corrugated pipe with integrally formed smooth interior wall, ADS N-12 or approved equal, is an approved concrete pipe in travel and non-travel areas.
- HDPE pipe joints shall be made using watertight couplers with "O"-ring gasket, ADS WT of approved equal, where the pipe is "O"-ring gasket" (ASTM C-363) pipe is required on approved construction plans or within contract documents. All other pipe shall have a bell and gasket joint with rubber gasket meeting ASTM F477.
- All bedding material shall be in accordance with City of Columbus Standard Construction Drawing AA-5149.

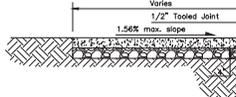
- Backfill material shall be placed in accordance with item 911 of the City of Columbus Construction Material Specifications (CMS).
- Backfill material 18 inches located outside the public right-of-way shall be placed in accordance with City of Columbus Standard Construction Drawing AA-5155.
- Height of cover shall be in accordance with the Ohio Department of Transportation (ODOT) Location and Design (L&D) Manual, Volume Two, Section 1008.3.1.
- All HDPE pipe shall be mandrel tested in accordance with City of Columbus item 901.21, with the exception that the waiting period prior to testing shall be 30 days.
- For any and all installations requiring the minimization of trench water migration, anti-seep collars shall be installed in accordance with the ODOT L&D Manual, Volume Two Section 1116.4.12 and ODOT Standard Hydraulic Construction Drawing WO-1.2.

#### AS-BUILTS

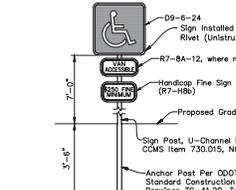
- As-builts of the site, utilities and stormwater management facilities shall be performed per requirements of the City of Dublin Administrative Policy & Procedure 600-030 prior to obtaining occupancy for the building.



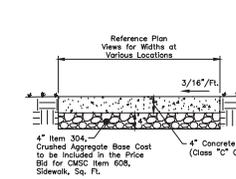
- Item 446, 1 1/2" Asphalt Concrete Surface Course
- Item 407, NTSS-1H Tracked Tack Coat (0.06 Oz/Ga. Yd)
- Item 448, 2 1/2" Asphalt Concrete Intermediate Course
- Item 407, NTSS-1H Tracked Tack Coat (0.08 Oz/Ga. Yd)
- Item 304, 6" Crushed Aggregate Base
- Item 203, Subgrade Compaction



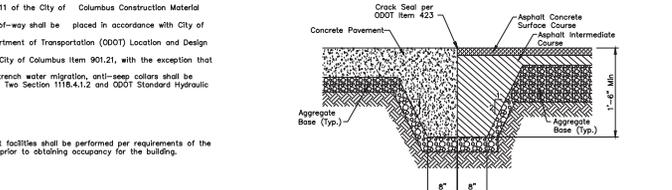
#### FLUSH COMBINATION CURB AND SIDEWALK



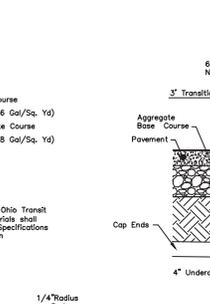
#### HANDICAP PARKING SIGN DETAIL



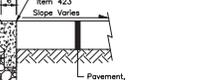
#### TYPICAL SIDEWALK SECTION



#### CONCRETE/ASPHALT TURNDOWN DETAIL



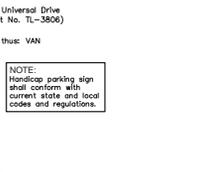
#### SECTION



#### PLAN



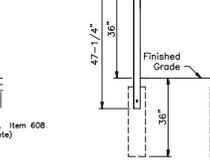
#### CONCRETE SURROUND WITH ASPHALT TURNDOWN FOR STRUCTURES WITHIN PAVEMENT



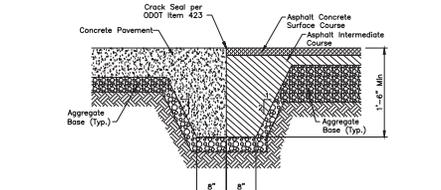
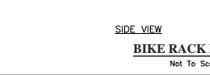
#### STRAIGHT 18" CONCRETE CURB



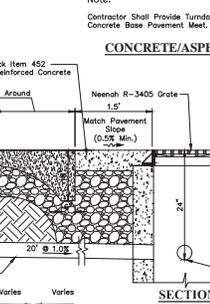
#### BIKE RACK DETAIL



#### BIKE RACK DETAIL



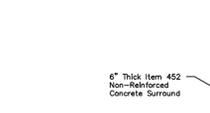
#### CONCRETE SURROUND WITH ASPHALT TURNDOWN FOR STRUCTURES WITHIN PAVEMENT



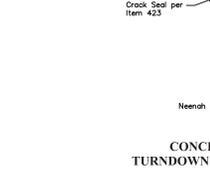
#### STRAIGHT 18" CONCRETE CURB



#### BIKE RACK DETAIL



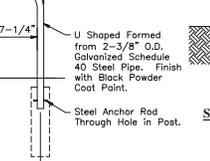
#### BIKE RACK DETAIL



#### BIKE RACK DETAIL



#### BIKE RACK DETAIL



#### BIKE RACK DETAIL



CITY OF DUBLIN, FRANKLIN COUNTY, OHIO  
PRIVATE SITE IMPROVEMENT PLAN  
GENERAL NOTES AND DETAILS

DATE: May 26, 2015  
SCALE: Not To Scale  
JOB NO.: 2014-0588  
SHEET: 2/7

**PRELIMINARY**  
NOT TO BE USED FOR CONSTRUCTION  
PLAN SET DATE: May 26, 2015

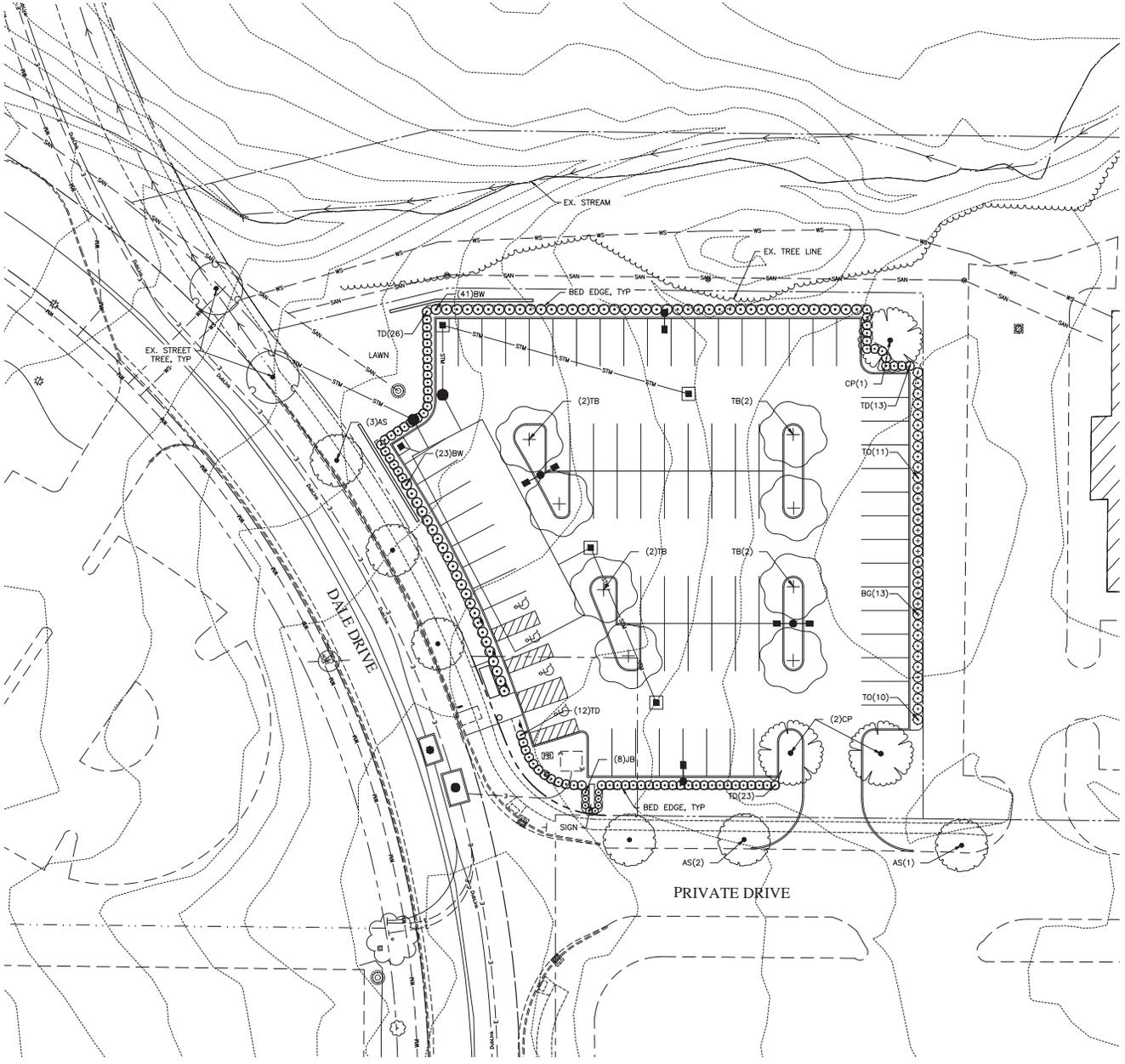








A:\2014\5884\Drawings\5884\Site\5884\_Site\_Improvement\_Plan\landscape\_Plan.dwg, Plot Date: 5/26/2015, 10:56 AM, User: jkennedy, Plot Size: 11.00 x 17.00, Plot Scale: 1/8" = 1'-0"



**LANDSCAPE CALCULATIONS**

153.065(D)(3)(c)(2) – A MINIMUM OF 1 TREE PER 40 L.F. OF STREET FRONTAGE OR FRACTION THEREOF. TREES SHALL BE NO LESS THAN 2.5 CALIPER INCHES AT INSTALLATION.  
 ±295 L.F. STREET FRONTAGE  
 TREES REQUIRED: 7  
 TREES PROVIDED: 7 (1 EXISTING, 6 PROPOSED)

153.065(D)(5)(b) – PERIMETER BUFFER NOT REQUIRED DUE TO ADJOINING SITE BEING LOCATED WITHIN THE BSD AS WELL. EVERGREEN HEDGE PROPOSED.

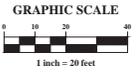
153.065(D)(5)(c)(1) – A MINIMUM OF 5% OF THE INTERIOR PARKING LOT AREA SHALL BE LANDSCAPED.  
 TOTAL AREA = ±29,912 S.F.  
 ±29,912 x .05 = ±1,500 S.F. LANDSCAPE REQUIRED  
 ±2,115 S.F. LANDSCAPE PROVIDED

153.065(D)(5)(c)(2)(A) – ONE MEDIUM DECIDUOUS TREE SHALL BE PLANTED FOR EVERY 12 PARKING SPACES.  
 TOTAL PARKING = 85 SPACES  
 TREES REQUIRED = 7 TREES  
 TREES PROVIDED = 11 TREES

153.065(D)(5)(d) – EVERGREEN HEDGE WITH MATURE HEIGHT OF 3' PROVIDED AS ALTERNATIVE STREET LANDSCAPING.

**PLANT SCHEDULE**

| TREES  | QTY | BOTANICAL NAME                          | COMMON NAME               | SIZE      | CONDITION |
|--------|-----|---|---------------------------|-----------|-----------|
| AS     | 6   | Acer saccharum                          | Sugar Maple               | 2.5" Cal. | B&B       |
| CP     | 3   | Celtis occidentalis 'Prairie Pride'     | Prairie Pride Hackberry   | 2.5" Cal. | B&B       |
| TB     | 8   | Tilia americana 'Boulevard'             | Boulevard Linden          | 2.5" Cal. | B&B       |
| SHRUBS | QTY | BOTANICAL NAME                          | COMMON NAME               | SIZE      | CONDITION |
| BW     | 64  | Buxus microphylla japonica 'Winter Gem' | Winter Gem Boxwood        | 24" Ht.   | B&B       |
| BG     | 13  | Buxus x 'Green Mountain'                | Green Mountain Boxwood    | 24" Ht.   | B&B       |
| JB     | 8   | Juniperus sabin 'Buffalo'               | Buffalo Juniper           | 18" Spr.  | Cont.     |
| TD     | 74  | Taxus x media 'densiformis'             | Dense Yew                 | 24" Ht.   | B&B       |
| TO     | 21  | Thuja occidentalis 'Woodward'           | Woodward Globe Arborvitae | 24" Ht.   | B&B       |



**PRELIMINARY**  
 NOT TO BE USED FOR  
 CONSTRUCTION

PLAN SET DATE  
 May 26, 2015

| REVISIONS | DATE | DESCRIPTION |
|-----------|------|-------------|
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CITY OF DUBLIN, FRANKLIN COUNTY, OHIO  
 PRIVATE SITE IMPROVEMENT PLAN  
**COTA PARK AND RIDE**  
 LANDSCAPE PLAN



|         |              |
|---------|--------------|
| DATE    | May 26, 2015 |
| SCALE   | 1" = 20'     |
| JOB NO. | 2014-0588    |
| SHEET   | 7/7          |