

# CITY OF DUBLIN, COUNTY OF FRANKLIN, OHIO PRIVATE SITE IMPROVEMENT PLAN FOR GERMAIN HONDA OF DUBLIN 6715 SAWMILL ROAD

2020

### BENCHMARKS

BASED ON NAVD 1988 DATUM.

Source - Elevations were established using 45 minute static observations utilizing global positioning system (GPS) procedures. The GPS data was submitted to the National Geodetic Survey's (NGS) Online Positioning User Service Rapid-Static (OPUS-RS) system for processing. The system uses the Continually Operating Reference Stations (CORS) to establish the geodetic elevation.

Site BM 1 - Arrow bolt located on fire hydrant at the coordinates below. Shown on index map as "BM #1"

Northing = 766825.996  
Easting = 1803061.786  
Elevation = 906.380

Site BM 2 - Railroad spike on the north side of utility pole located at the coordinates below. Shown on index map as "BM #2"

Northing = 766535.730  
Easting = 1803041.465  
Elevation = 905.087

Site BM 3 - Bolt on the north side of fire hydrant located at the coordinates below. Shown on index map as "BM #3"

Northing = 766696.852  
Easting = 1802329.940  
Elevation = 911.544

Site BM 4 - Bolt on the north side of fire hydrant located at the coordinates below. Shown on index map as "BM #4"

Northing = 767289.645  
Easting = 1802361.033  
Elevation = 909.120

Site BM 5 - Bolt on the north side of fire hydrant located at the coordinates below. Shown on index map as "BM #5"

Northing = 767521.189  
Easting = 1802567.532  
Elevation = 907.940

### FLOODPLAIN

THIS SITE IS LOCATED WITHIN ZONE X.

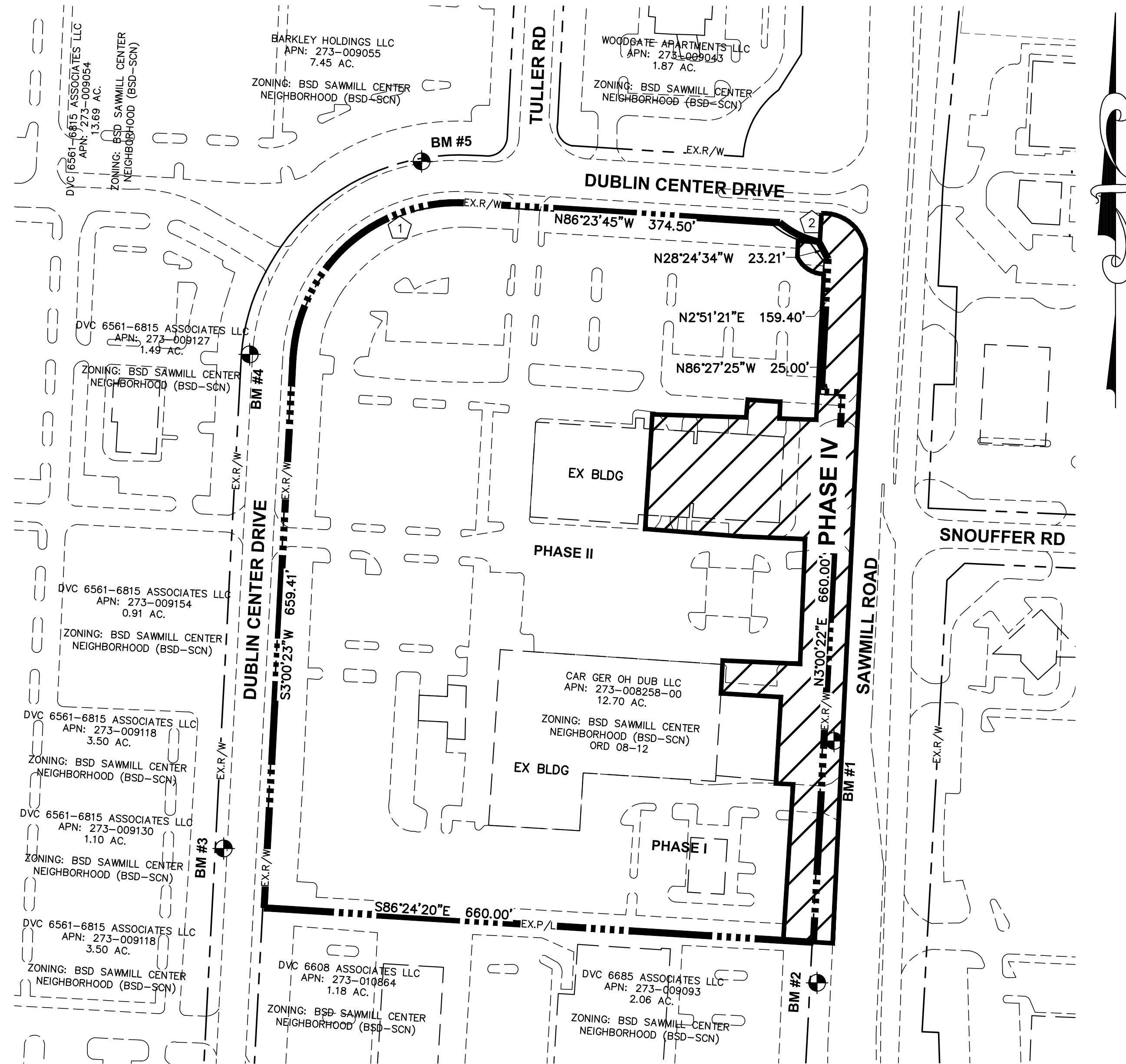
LOCATED ON FLOOD INSURANCE MAP  
FRANKLIN COUNTY, OHIO MAP 39049C0132K  
EFFECTIVE 6/17/2008

### STANDARD CONSTRUCTION DRAWINGS

CITY OF DUBLIN (2017) CITY OF COLUMBUS  
RD-05  
RD-11

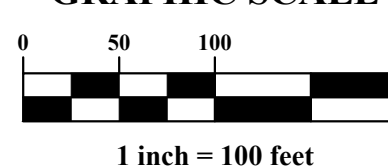


800-362-2764 or 8-1-1  
www.oups.org



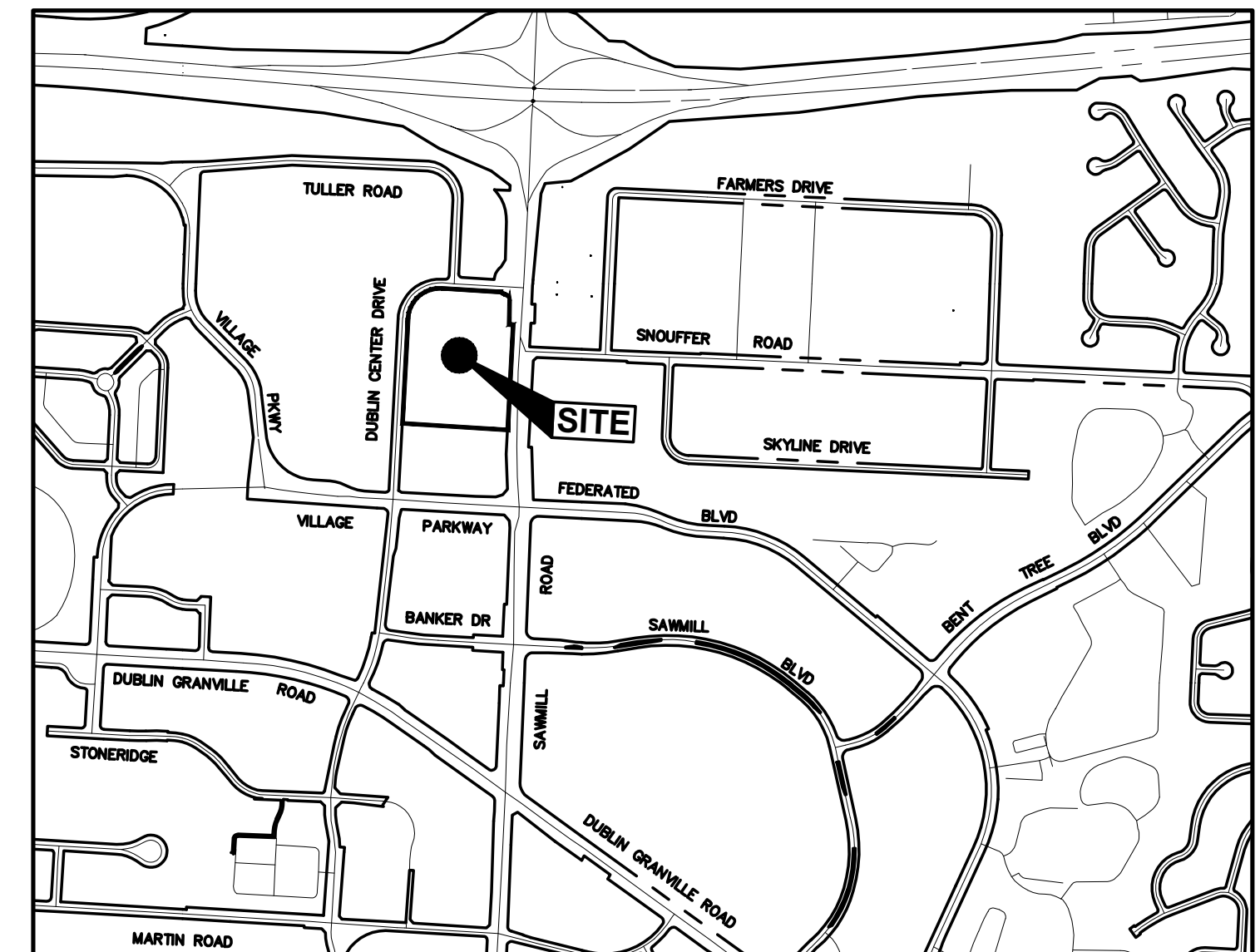
INDEX MAP  
SCALE: 1"=100'

GRAPHIC SCALE



1 Δ=90°36'06"  
R=197.88'  
ArcL=312.91'  
ChB=N48°18'19"E  
ChD=281.31'

2 Δ=28°49'29"  
R=105.06'  
ArcL=52.85'  
ChB=S63°39'52"E  
ChD=52.30'



VICINITY MAP  
SCALE: NTS

### INDEX OF DRAWINGS

SHEET NUMBER	SHEET TITLE
C.01	TITLE SHEET
C.02	GENERAL NOTES
C.03	DETAILS & ESTIMATED QUANTITIES
C.04	EXISTING CONDITIONS & DEMOLITION PLAN
C.05	SITE PLAN
C.06-C.08	SAWMILL ROAD SIDEWALK PLAN
C.09	NORTH BUILDING GRADING DETAIL
C.10	EROSION & SEDIMENT CONTROL PLAN

### OWNER

CAR GER OH DUB LLC  
8270 GREENSBORO DR # 950  
MCLEAN, VA 22102

### PLANS PREPARED FOR

ARCHITECTURAL ALLIANCE  
165 NORTH FIFTH STREET  
COLUMBUS, OH 43215  
ATTN: BRIAN REYNOLDS  
P 614.469.7500  
F 614.469.0500

### GENERAL CONTRACTOR

RENIER CONSTRUCTION  
2164 CITYGATE DRIVE  
COLUMBUS, OH 43219  
ATTN: NEAL BRONDER  
P 614.866.4580

### CITY OF DUBLIN APPROVAL

SIGNATURES BELOW SIGNIFY ONLY CONCURRENCE WITH THE GENERAL PURPOSES AND THE GENERAL LOCATION OF THE PROJECT AND DO NOT CONSTITUTE ASSURANCE TO OPERATE AS INTENDED. ALL TECHNICAL DETAILS REMAIN THE RESPONSIBILITY OF THE PROFESSIONAL CIVIL ENGINEER PREPARING THE PLANS.

CITY ENGINEER, CITY OF DUBLIN, OHIO \_\_\_\_\_ DATE \_\_\_\_\_  
PAUL A. HAMMERSMITH, P.E.

INTERIM DIRECTOR OF LAND USE AND LONG RANGE PLANNING \_\_\_\_\_ DATE \_\_\_\_\_  
CITY OF DUBLIN, OHIO  
JENNIFER M. RAUCH, AICP

### PREPARED BY:



REGISTERED ENGINEER \_\_\_\_\_ NUMBER \_\_\_\_\_ DATE \_\_\_\_\_

DUBLIN PROJECT NUMBER: XX-XXX-COM

PLAN PREPARED BY:  
781 Science Boulevard, Suite 100  
Gahanna, Ohio 43230  
ph 614.428.7750  
fax 614.428.7755  
ENGINEERS SURVEYORS  
ADVANCED CIVIL DESIGN



CITY OF DUBLIN, FRANKLIN COUNTY, OHIO  
GERMAIN HONDA OF DUBLIN  
PRIVATE SITE IMPROVEMENT PLAN  
FOR  
PHASE IV SITE IMPROVEMENTS  
TITLE SHEET

Issue Dates:  
Date: 05/18/2020  
Scale: AS NOTED  
Drawn By: CLE  
Checked By: TWV  
Project Number:  
18-0002-837  
Drawing Number:  
C.01 / 10



GENERAL NOTES

- 1. 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.
2. 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.
3. 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.
4. The Contractor shall notify the City of Dublin Division of Engineering in writing at least 3 working days prior to beginning construction.
5. 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.
6. 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.
7. 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.
8. 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.
9. Non-rubber tired vehicles shall not be moved on or across public streets or highways without the written permission of the City Engineer.
10. The Contractor shall restore all disturbed areas to equal or better condition than existed before construction. Drainage ditches and watercourses that are disturbed by construction shall be restored to the grades and cross-sections that existed before construction.
11. 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.
12. Disposal of excess excavation within Special Flood Hazard Areas (100-year floodplain) is not permitted.
13. 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.
14. 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.
15. 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.
16. 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 II according to Item 613. Item 911 of the Standard Specifications shall be used elsewhere.
17. 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
18. 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.
19. All trees within the construction area or 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.
20. 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 II) shall be used in place of compacted granular backfill, according to Item 613 of the Standard Specifications.
21. The Contractor shall be responsible for the condition of trenches within the right-of-way of existing streets 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.
22. 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.
23. 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.

- 24. Any modification to the work shown on drawings must have prior written approval by the City Engineer, City of Dublin.
25. All inlets shall be channelized.
26. 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: 85% Application Rate: 7 lbs per 1000 sq ft or as directed by the Division of Parks and Recreation, City of Dublin, Ohio.
27. 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.
28. 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 anchor base installation requirements of ODOT TC-41.20.

UTILITIES

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

GAS
COLUMBIA GAS OF OHIO, INC.
1600 DUBLIN ROAD
COLUMBUS, OHIO 43215
(614) 481-1000

ELECTRIC
AMERICAN ELECTRIC POWER
700 MORRISON ROAD
GAHANNA, OHIO 43230
(614) 883-6821

COMMUNICATION
SPECTRUM
1015 OLENTANGY RIVER ROAD
COLUMBUS, OHIO 43212
(614) 481-5000

FRONTIER COMMUNICATIONS
(800) 982-8772

AT&T
111 N. 4TH STREET
COLUMBUS, OHIO 43215
(614) 223-5780

DUBLINK
CITY OF DUBLIN
6555 SHIER-RINGS ROAD
DUBLIN, OHIO 43016
(614) 410-4750

SANITARY STORM WATER
CITY OF DUBLIN
6555 SHIER-RINGS ROAD
DUBLIN, OHIO 43016
(614) 410-4750

CITY OF COLUMBUS
DIVISION OF POWER
3568 INDIANOLA AVENUE
COLUMBUS, OHIO 43214
(614) 645-8276

CITY OF COLUMBUS
DIVISION OF SEWERAGE AND DRAINAGE
111 N. FRONT STREET
COLUMBUS, OHIO 43215
(614) 645-8276

CITY OF COLUMBUS
DIVISION OF WATER
910 DUBLIN ROAD
COLUMBUS, OHIO 43215
(614) 645-8276

- 2. 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 2 working days before start of construction.
3. 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 and the City Engineer assumes no responsibility for the accuracy of the locations 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.

- 4. 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.
5. When unknown or incorrectly located underground utilities are encountered during construction, the Contractor shall immediately notify the owner and the City Engineer.
6. 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

- 1. Traffic control shall be furnished, erected, maintained, and removed by the Contractor according to Ohio Manual of Uniform Traffic Control Devices (OMUTCD), current edition.
2. All traffic lanes of public roadways shall be fully open to traffic from 7:00 AM to 9:00 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 OMUTCD, and shall be present whenever one-lane, two-way traffic control is in effect. Police cruisers may be required as directed by the City Engineer.
3. 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.
4. Steady-burning, Type "C" lights shall be required on all barricades, drums, and similar traffic control devices in use at night.
5. 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.

EROSION AND SEDIMENT CONTROL
1. The Contractor or Developer 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 45 days prior to the start of construction and may entitle the contractor 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 Ohio Department of Transportation Standard Specifications, and the City Engineer. An individual NPDES Stormwater Discharge Permit may be required. The Contractor shall be considered the permittee.

- 2. The Contractor shall provide sediment control at all points where storm water runoff leaves the project, including waterways, overland sheet flow, and storm sewers.
3. Accepted methods of providing erosion/sediment control include but are not limited to: sediment basins, silt filter fence, aggregate check dams, or temporary ground cover. Hay or straw bales are not permitted.
4. The Contractor shall provide adequate drainage of the work area at all times consistent with erosion control practices.
5. Disturbed areas that will remain unworked for 30 days or more shall be seeded or protected within seven calendar days of the disturbance. Other sediment controls that are installed shall be maintained until vegetative growth has been established. The Contractor shall be responsible for the removal of all temporary sediment devices at the conclusion of construction but not before growth of permanent ground cover.

- BLASTING (If Permitted)
1. The Contractor must obtain a blasting permit from Washington Township Fire Department prior to blasting or rock excavation. The Contractor shall submit blasting reports upon completion of blasting to the City Engineer, the Owner, and the Owner's engineer. Top of rock elevations shall be shown on "as-built" construction drawings.
SANITARY SEWERS
1. Connections to the sanitary sewer will be permitted upon receiving an OEPA Permit to Install (PTI), and upon receiving a satisfactory letter from the City Engineer stating that the project has been constructed as per the plans, and all of the conditions of the PTI have been met. The developer is responsible for obtaining all required Ohio EPA approvals and paying review fees.
2. Sanitary sewage 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.

- 3. The minimum requirements for sanitary sewer pipe with diameters 15 inches and smaller shall be reinforced concrete pipe ASTM C76 Class 3, or PVC sewer pipe ASTM D3034, SDR 35. Pipe for 6-inch diameter house service lines shall be PVC pipe ASTM D3034, SDR 35. PVC pipe shall not be used at depths greater than 28 feet. Pipe materials and related structures shall be shop tested in accordance with City of Columbus Construction Inspection Division quality control requirements.
4. The minimum requirements for sanitary sewer pipes with diameters greater than 15 inches shall be reinforced concrete pipe ASTM C76 with Class designation specified in the approved construction drawings.
5. All in-line wye 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.
6. Granular backfill shall be compacted granular material according to Item 912 of the Standard Specifications or Controlled Density Backfill according to Item 613, Type II of the Standard Specifications as directed by the City Engineer.

- 7. All manhole lids shall be provided with continuous self-sealing gaskets. The approved construction drawings shall show where bolt-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.
8. 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.
9. Temporary bulkheads shall be placed in pipes at locations shown on the approved construction drawings and shall remain in place until the Permit to Install (PTI) has been issued by the OEPA and 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 bid price for the various sanitary sewer items.

- 10. 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 sewers.
11. For sanitary sewer infiltration, leakage through joints shall not exceed 100 gallons per inch of tributary sewer diameter per 24 hours per mile of length or the computed equivalent. All sanitary sewers shall be tested.
12. 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.
13. Visible leaks or other defects observed or discovered during TV inspection shall be repaired to the satisfaction of the Engineer.
14. Roof drains, foundation drains, field tile or other clean water connections to the sanitary sewer system are strictly prohibited according to Section 51.23 of the Dublin Code of Ordinances.

- 15. All water lines shall be located at least 10 feet horizontally and 18 inches vertically, from sanitary sewers and storm sewers, to the greatest extent practicable. Where sanitary sewers cross watermain or other sewers or other utilities, trench backfill 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 or consist of ductile iron pipe material.
16. Service risers shall be installed where the depth from wyes 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.

- 17. Where service risers are not installed, a minimum 5-foot length of sanitary sewer service pipe of the same size as the wye opening shall be installed.
18. The Contractor shall furnish and place, as directed, approved wye poles made of 2 inches x 2 inches lumber at all wye locations, ends of extended services, or at the end of each riser where risers are required. Wye poles shall be visible before acceptance by the City. The cost of these poles shall be included in the contract unit price for the various sewer items.

- 19. Existing sanitary sewer flows shall be maintained at all times. Costs for pumping and bypassing shall be included in the Contractor's unit bid price for the related items.

- 20. 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 flexible and watertight. All holes shall be neatly cored. The sewer pipe barrel at the springline shall not extend more than 1 inch beyond the inside face of the manhole. To maintain flexibility in the connection, a 1-inch space shall be left between the end of the pipe inside the manhole and the concrete channel; this space shall be filled with a waterproof flexible joint filler. Any metal that is used shall be Type 300 Series Stainless Steel. The connection may be any of the following types:

- A. Rubber sleeve with stainless steel banding.
1) Kor-N-Seal as manufactured by National Pollution Control Systems, Inc.
2) Lock Joint Flexible Manhole Sleeve as manufactured by Interpace Corporation.
3) Or equal as approved by the City Engineer.
B. Rubber gasket compression.
1) Press Wedge II as manufactured by Press-Seal Gasket Corporation.
2) Dura Seal III as manufactured by Dura Tech, Inc.
3) Link-Seal as manufactured by Thunderline Corporation.
4) Or equal as approved by the City Engineer.

The cost for this work along with a new channelized base for the manhole shall be included in the unit bid price for the related items of work.

WATER LINE

- 1. All water line materials shall be provided and installed according to current specifications of the City of Columbus Division of Water.
2. All public water pipe with a diameter 3 inches to 8 inches shall be Ductile Iron, Class 53. Public water pipe 12 inches in diameter or larger shall be Ductile Iron, Class 54. Public water pipe 20 inches in diameter or larger may be prestressed concrete pipe. Private water pipe shall meet the approval of the City of Columbus Division of Water prior to approval of the construction drawings.
3. Only fire hydrants conforming to City of Columbus standards will be approved for use.
4. Public water lines shall be disinfected by the City of Columbus Division of Water. Requests for water line chlorination shall be made through the City of Dublin Division of Engineering. The cost for chlorination shall be paid for by the Contractor.

- 5. All water lines shall be disinfected according to Item 801.15 of the Standard Specifications. Special attention is directed to applicable sections of American Water Works Association specification C-851, particularly for flushing (Section 5) and for chlorinating valves and fire hydrants (Section 7). Pressure testing shall be performed in accordance with Section 801.14 of the City of Columbus Construction and Material Specifications. When water lines are ready for disinfection, 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 disinfected, to the City of Columbus, Division of Water. The Contractor shall be responsible for all costs associated with the disinfection of all water lines construction per this plan. Pressure testing shall be performed in accordance with Section 801.14 of the City of Columbus Construction and Material Specifications.

- 6. The Contractor shall paint 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.
7. No water taps or service connections (e.g., to curb stops or meter pits) may be issued until adjacent public water lines serving the construction site have been disinfected by the City of Columbus Division of Water and have been accepted by the City Engineer. A tap permit for each water service must be obtained from the City of Dublin and the City of Columbus Division of Water before making any taps into public water lines.

- 8. The Contractor shall notify the City of Columbus Division of Water at 645-7788 and the City of Dublin Division of Engineering at least 24 hours before tapping into existing water lines.
9. All water main stationing shall be based on street centerline stationing.
10. All bends, joint deflections and fittings shall be backed with concrete per City of Columbus standards.

- 11. The Contractor shall give written notice to all affected property owners at least 1 working day but not more than 3 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.
12. Water meters shall be installed inside proposed structures unless a meter pit installation is approved by the City of Columbus Division of Water. Meter pits must conform to standard drawings L-7103, A&B for 5/8" through 1" meters or L-6317, A, B, C&D for 1-1/2" or larger meters.

- 13. Water lines to be installed in embankment areas shall be placed after the embankment has been placed and compacted according to the Standard Specifications.
14. Curb stop boxes shall be located at least 1 foot inside the right-of-way and set at finished grade.

- 15. If the top of the operating nut 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.

- 16. All water lines shall be placed at a minimum depth of 4 feet measured from top of finished grade to top of water line. Water 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.

- 17. Two 3/4 inch taps shall be installed within 2 feet of the end of the line on all dead-end water lines.

STORM SEWER

- 1. 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 203 and 659 of the Standard Specifications.
2. 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.
3. Granular backfill shall be compacted granular material according to Item 912 of the Standard Specifications or Controlled Density Backfill according to Item 613, Type II of the Standard Specifications as directed by the City Engineer.
4. 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.

- 5. Headwalls and endwalls 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 endwalls surfaces.
6. Storm inlets or catch basins shall be channelized and have bicycle safe graters. Manhole lids shall include City of Dublin logo and all curb inlet and catch basin grates shall induce engraved lettering: DUMP NO WASTE; DRAINS TO RIVER.

- 7. Storm sewer outlets greater than 18 inches in diameter accessible from stormwater management facilities or watercourses shall be provided with safety graters, as approved by the City Engineer.

MAIL DELIVERY

- 1. The Contractor shall be responsible to ensure that US 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 approved new location. Any relocation of mailbox services must be first coordinated with the US Postal Service and the homeowner.

- 2. 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

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

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

Z:\18-0002-837\DWG\Production Drawings\Site Construction\Phase I\A\02-General Notes.dwg C:02 GENERAL NOTES - Jun 08, 2020 - 12:57:44pm - Bohman

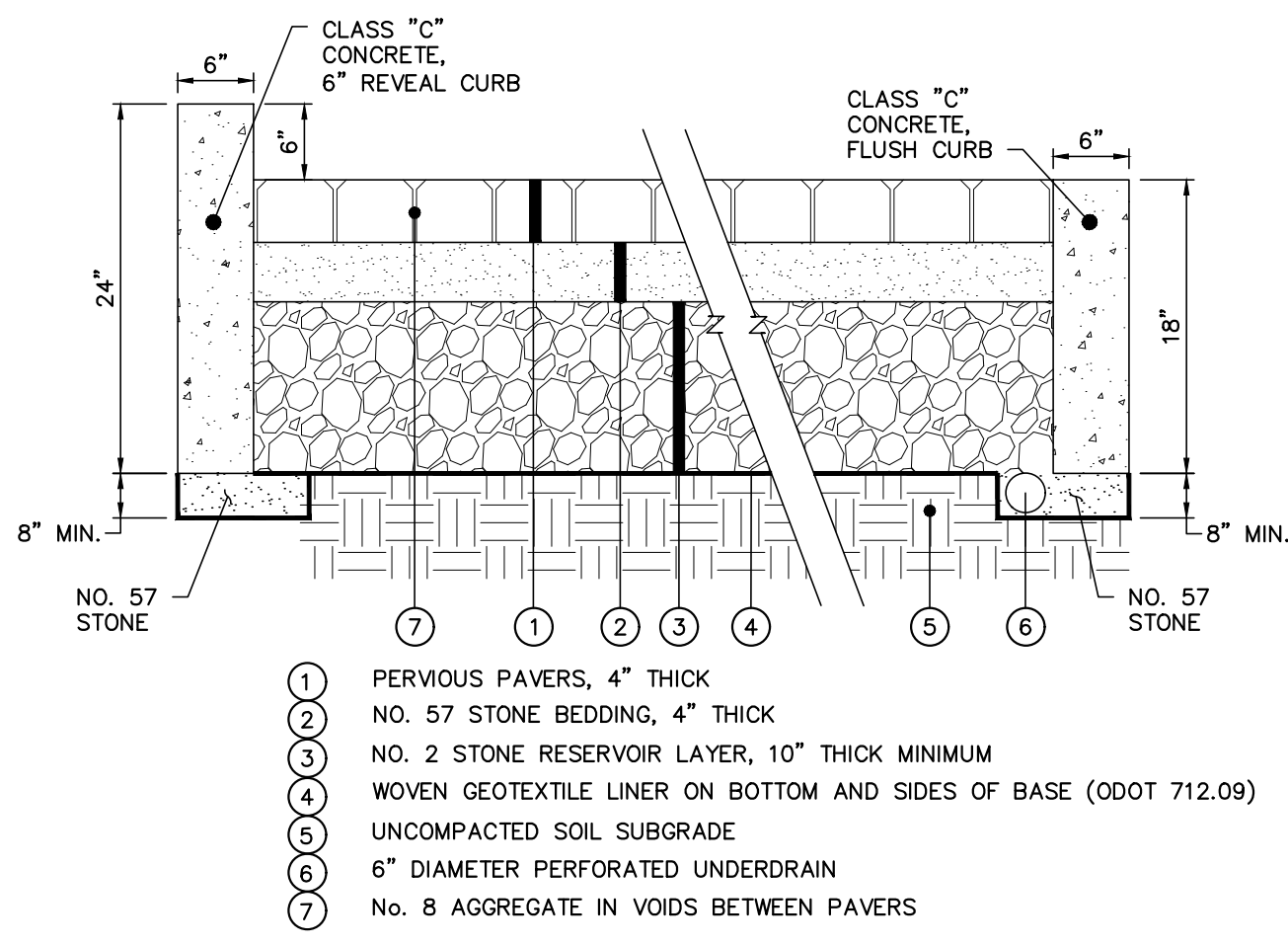
PLAN PREPARED BY:
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ENGINEERS SURVEYORS

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CITY OF DUBLIN, FRANKLIN COUNTY, OHIO
GERMAIN HONDA OF DUBLIN
PRIVATE SITE IMPROVEMENT PLAN
FOR
PHASE IV SITE IMPROVEMENTS
GENERAL NOTES

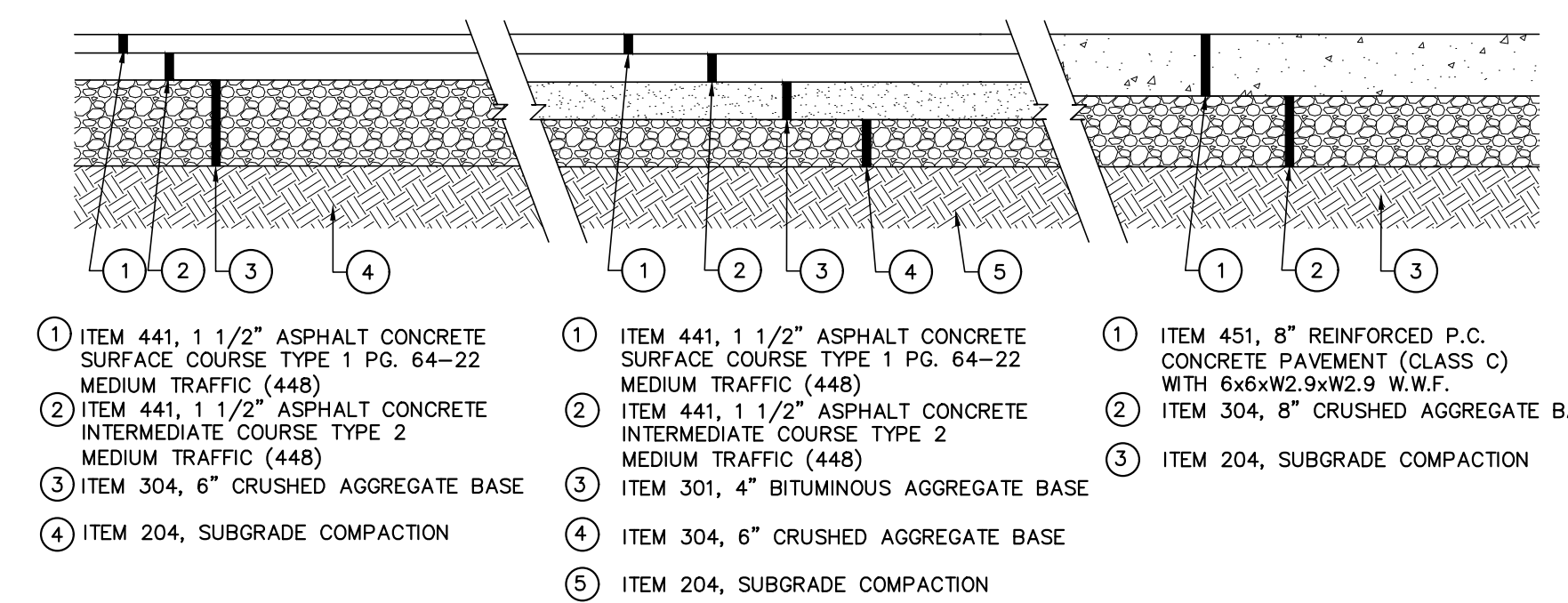
Issue Dates:
Date: 05/18/2020
Scale: NONE
Drawn By: CLE Checked By: TMW
Project Number: 18-0002-837
Drawing Number: C.02 / 10





- 1 PERVIOUS PAVERS, 4" THICK
- 2 NO. 57 STONE BEDDING, 4" THICK
- 3 NO. 2 STONE RESERVOIR LAYER, 10" THICK MINIMUM
- 4 WOVEN GEOTEXTILE LINER ON BOTTOM AND SIDES OF BASE (ODOT 712.09)
- 5 UNCOMPACTED SOIL SUBGRADE
- 6 6" DIAMETER PERFORATED UNDERDRAIN
- 7 NO. 8 AGGREGATE IN VOIDS BETWEEN PAVERS

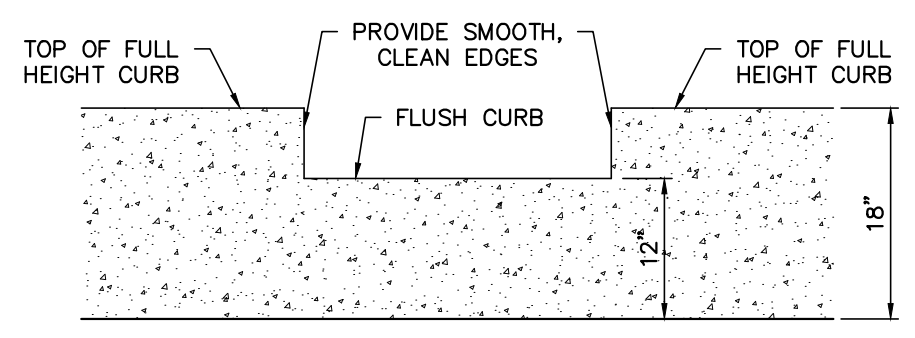
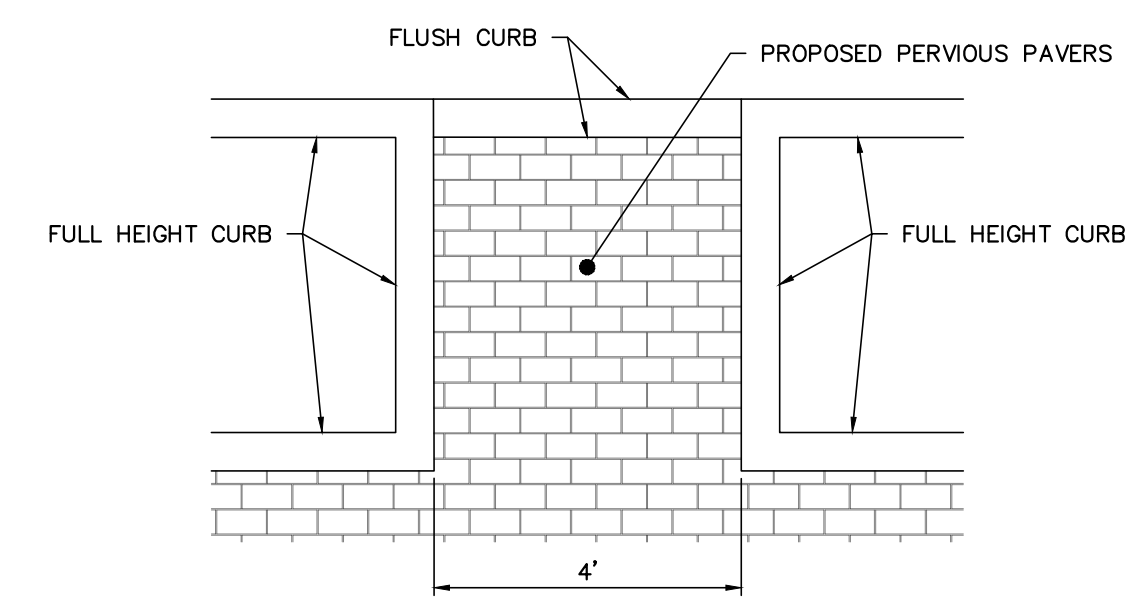
**PERVIOUS PAVEMENT SECTION**  
(NO SCALE)



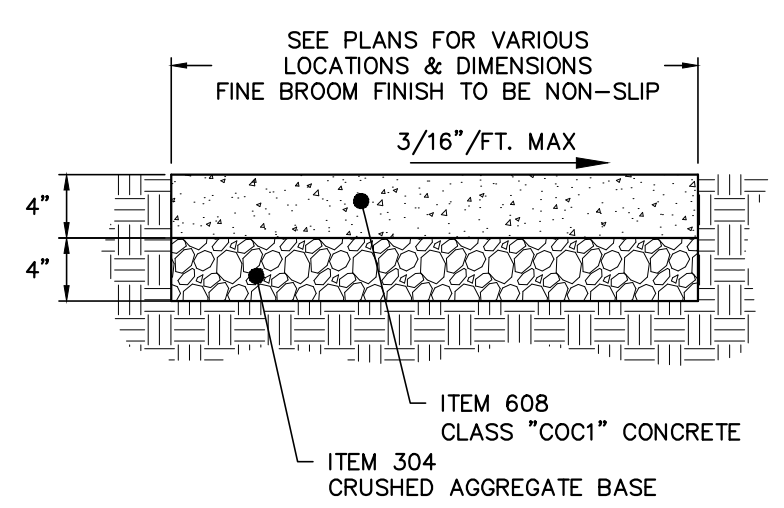
- 1 ITEM 441, 1 1/2" ASPHALT CONCRETE SURFACE COURSE TYPE 1 PG. 64-22 MEDIUM TRAFFIC (448)
- 2 ITEM 441, 1 1/2" ASPHALT CONCRETE INTERMEDIATE COURSE TYPE 2 MEDIUM TRAFFIC (448)
- 3 ITEM 301, 4" BITUMINOUS AGGREGATE BASE
- 4 ITEM 304, 6" CRUSHED AGGREGATE BASE
- 5 ITEM 204, SUBGRADE COMPACTION

**NOTES:** ALL PAVEMENT MATERIALS SHALL CONFORM TO THE CMSC CONSTRUCTION AND MATERIAL SPECIFICATIONS. PAVEMENT SECTIONS SHOWN HEREON ARE FROM RECORD SITE PLANS. ADVANCED CIVIL DESIGN (ACD) DID NOT HAVE A GEOTECHNICAL REPORT COMPLETED FOR THIS PROJECT. ACD RECOMMENDS THAT THE CONTRACTOR RETAINS A GEOTECHNICAL ENGINEER TO PROVIDE A PAVEMENT RECOMMENDATION BASED UPON THE SITE SOIL CONDITIONS.

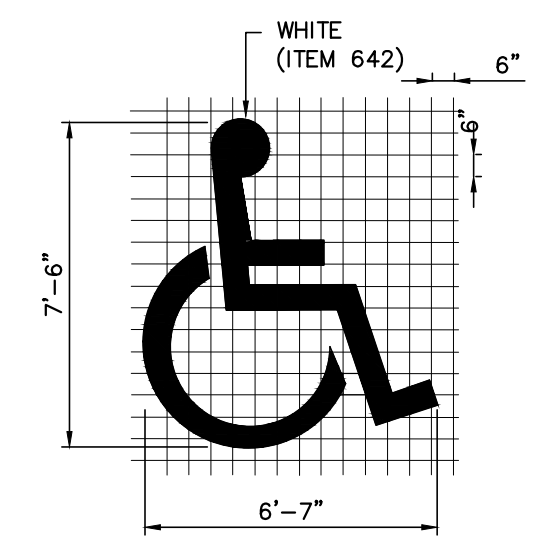
**TYPICAL PAVEMENT SECTIONS**  
(NO SCALE)



**CURB DROP DETAIL**  
(NO SCALE)

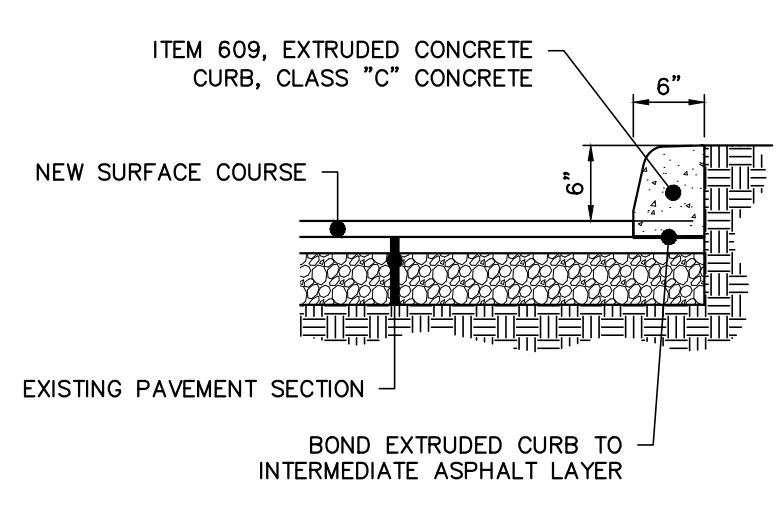


**CONCRETE SIDEWALK SECTION**  
(NO SCALE)

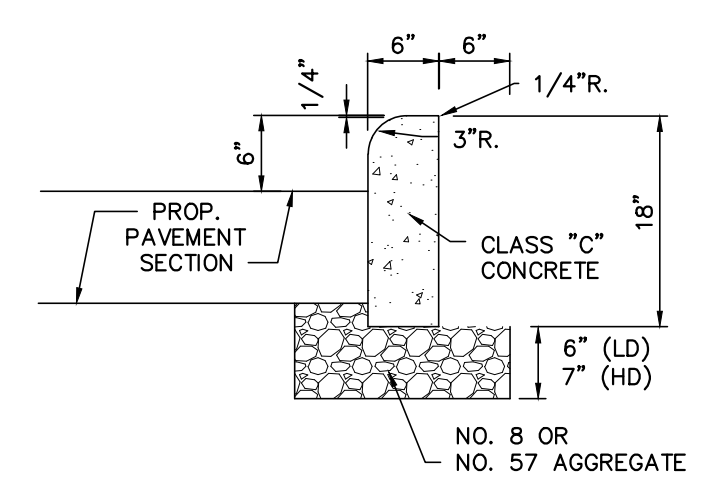


FACE/CURB, TYP. REFERENCE SITE PLAN FOR 0" CURB HEIGHT AND 0" TO 6" TAPER CURB HEIGHT LOCATIONS.

TYPICAL VAN ACCESSIBLE SIGN PER DETAIL THIS SHEET. SEE SITE PLAN FOR LOCATIONS.

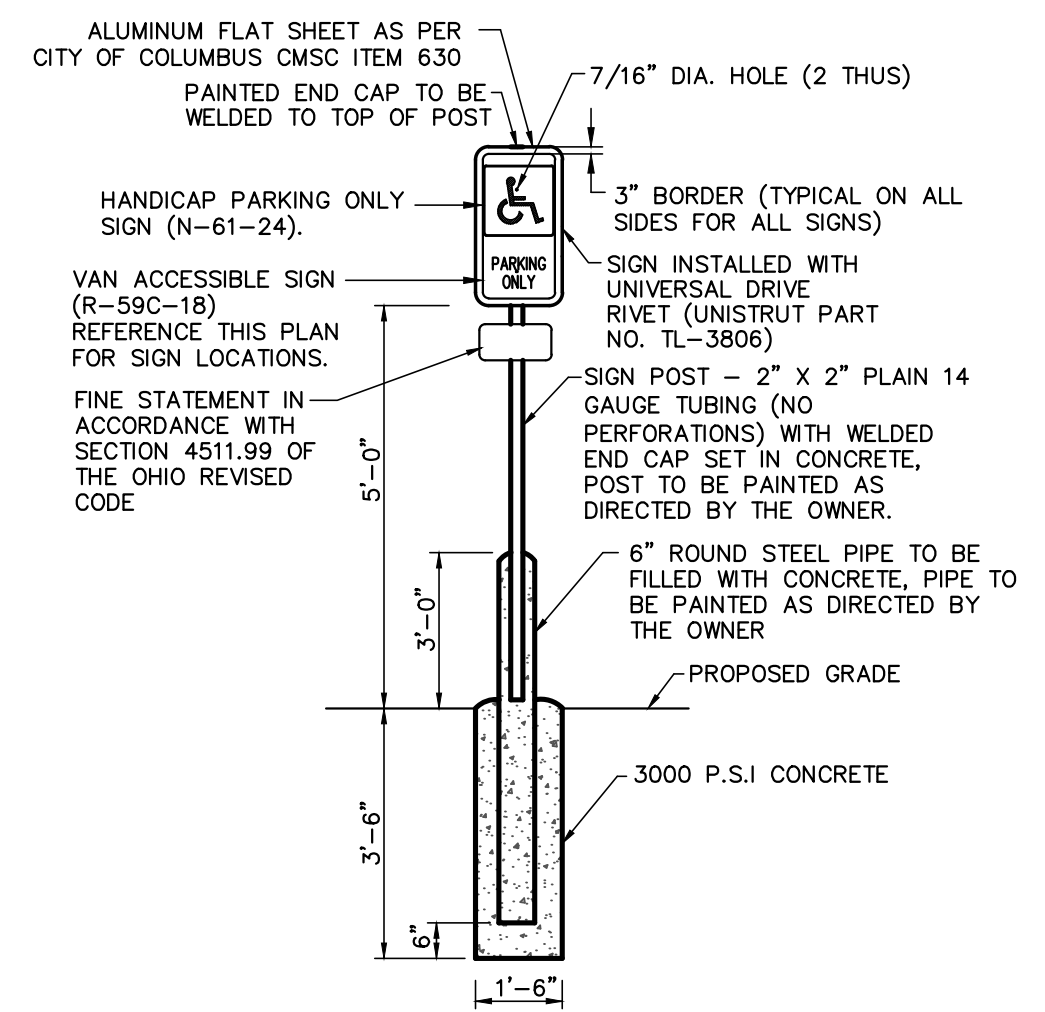


**EXTRUDED CONCRETE CURB**  
(NO SCALE)



**STRAIGHT 18" CONCRETE CURB**  
(NO SCALE)

**NOTE:** CONTRACTOR SHALL VERIFY REQUIREMENTS FOR CURB UNDERDRAIN WITH THE OWNER. ANY UNDERDRAIN PLACED SHALL BE PROVIDED AN OUTLET TO THE EXISTING STORM SYSTEM. POSITIVE DRAINAGE SHALL BE MAINTAINED.



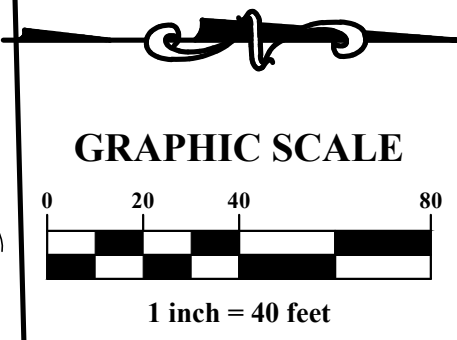
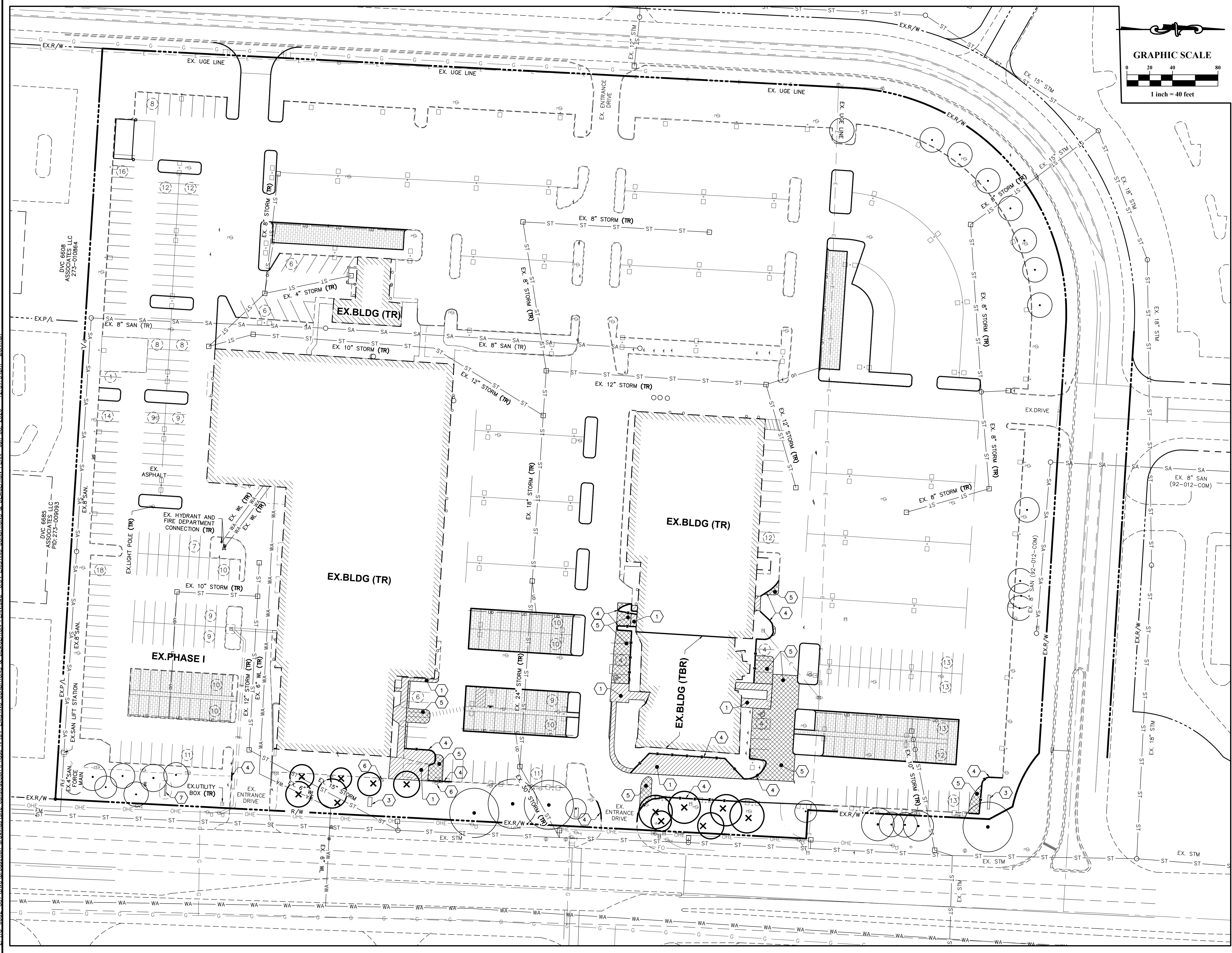
**ACCESSIBLE PARKING SIGN DETAIL**  
(NO SCALE)

Issue Dates:	
Date:	05/18/2020
Scale:	AS NOTED
Drawn By:	CLE
Checked By:	TMW
Project Number:	18-0002-837
Drawing Number:	C.03 / 10

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### LEGEND

- SERVICE - SAS / EXISTING SANITARY SEWER
- CB / EXISTING STORM SEWER
- HYD. / SERVICE - WS / EXISTING WATER MAIN
- G / EXISTING GAS LINE
- EXISTING LIGHT POLE
- EXISTING TRANSFORMER
- TELE/POWER POLE / TRAFFIC POLE
- TREE RETAINED / TREE REMOVED
- SIGN POST / DIRECTIONAL SIGN
- EXISTING CONTOUR
- x EX.795.20 / EXISTING PAVEMENT SPOT GRADE
- (TR) / TO REMAIN
- (TBR) / TO BE REMOVED
- (6) / EXISTING PARKING SPACES IN BLOCK
- EXISTING PERVIOUS PAVEMENT AREA
- FULL DEPTH ASPHALT PAVEMENT REMOVAL
- CONCRETE PAVEMENT REMOVAL
- EXISTING CURB REMOVAL

### CODED NOTES

- 1 CONCRETE PAVEMENT REMOVAL
- 2 EXISTING STORM STRUCTURE TO REMAIN
- 3 REMOVE EXISTING MONUMENT SIGNAGE
- 4 EXISTING CURB REMOVAL
- 5 FULL DEPTH ASPHALT PAVEMENT REMOVAL
- 6 REMOVE EXISTING LIGHT POLE & BASE (COMPLETE) (SEE SITE PHOTOMETRIC PLAN, SHEET SE.00)
- 7 EXISTING MONUMENT SIGN REMOVED DURING PHASE I

### PLAN NOTES

1. REFER TO LANDSCAPING PLAN FOR DETAILS ON TREE PRESERVATION AND EXISTING TREE INFORMATION.
2. INSTALLATION OF TREE PROTECTION BARRICADES SHALL BE PERFORMED BEFORE ANY SITE DEVELOPMENT ACTIVITY TAKES PLACE.
3. THE TREE PROTECTION BARRICADES SHALL REMAIN IN PLACE THROUGHOUT THE CONSTRUCTION PHASE AND UNTIL SITE DEVELOPMENT ACTIVITIES ARE FULLY COMPLETE.
4. ANY DAMAGE THAT MAY OCCUR TO THE BARRICADES SHALL BE REPAIRED OR REPLACED TO THE ORIGINAL SPECIFICATIONS WITHIN 24 HOURS OF THE DAMAGE OCCURRING.
5. THE AREA WITHIN THE TREE PROTECTION BARRICADES SHALL NOT BE USED FOR STORAGE OF ANY MATERIAL, DEBRIS OR THE DISPOSAL OF ANY SOLID, LIQUID OR GASEOUS MATERIAL THAT COULD CAUSE HARM TO TREES.
6. ANY PROPOSED UNDERGROUND UTILITY SHALL BE ROUTED AROUND PROTECTED TREES TO THE OUTSIDE TREE DRUPLINE, IF THIS IS NOT FEASIBLE, AS DETERMINED BY THE CITY, A SLEEVE MAY BE USED UNDER THE TREE, PROVIDED ALL ACCEPTABLE HORTICULTURAL/ARBORICULTURAL PRACTICES ARE ADHERED TO.
7. ALL TREE REMOVAL SHALL OCCUR DURING PHASE 2A.

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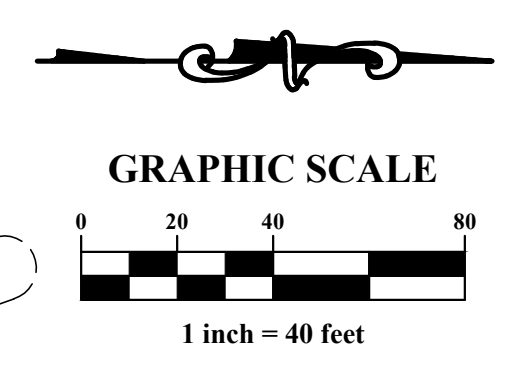
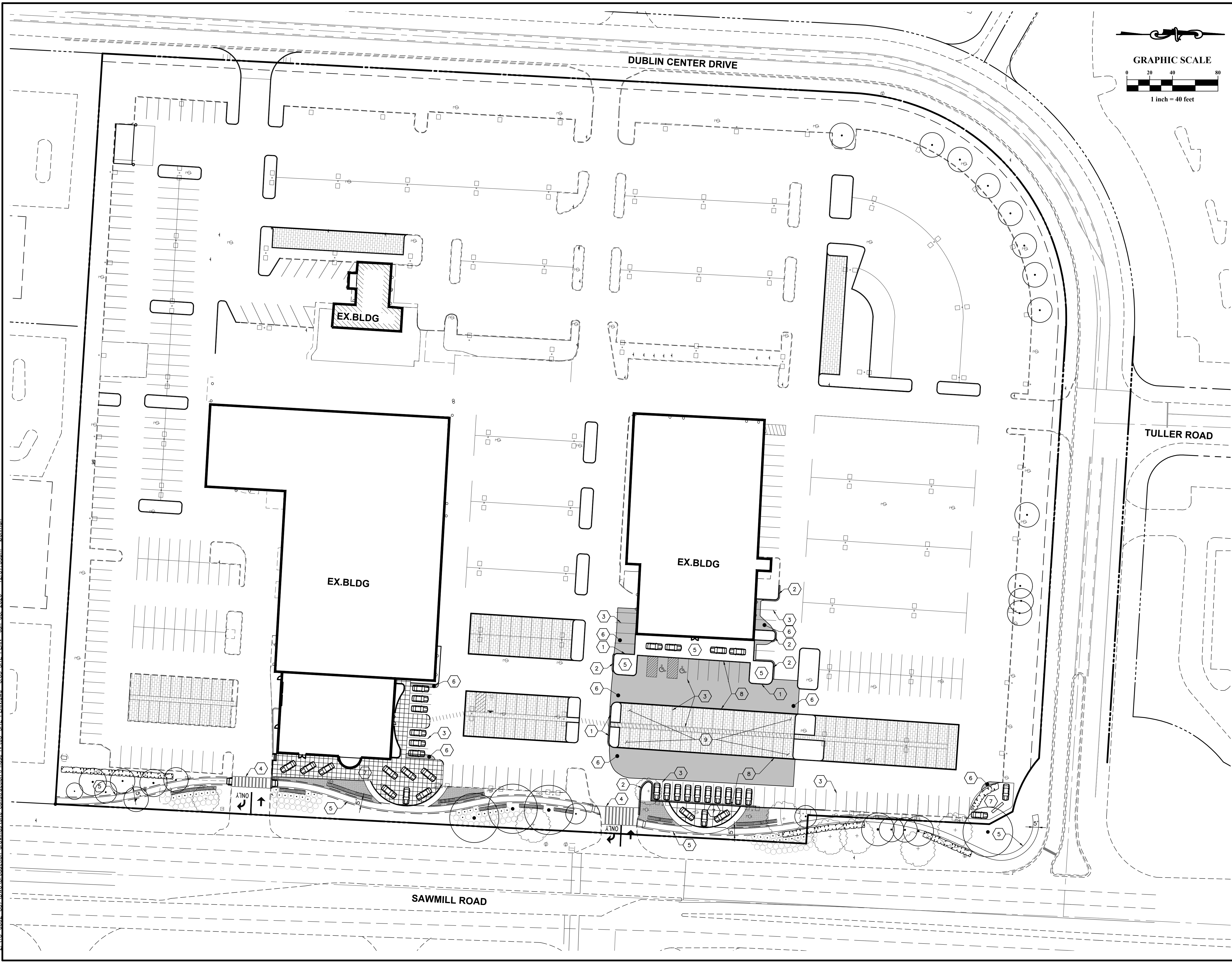
CITY OF DUBLIN, FRANKLIN COUNTY, OHIO  
**GERMAIN HONDA OF DUBLIN**  
 PRIVATE SITE IMPROVEMENT PLAN  
 FOR  
 PHASE IV SITE IMPROVEMENTS  
 EXISTING CONDITIONS & DEMOLITION PLAN

Issue Dates:

Date:	05/18/2020
Scale:	1" = 40'
Drawn By:	CLE
Checked By:	TW
Project Number:	18-0002-837
Drawing Number:	C.04 / 10



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LEGEND			
TREE PROPOSED	(+)	TREE RETAINED	(•)
SIGN POST	(6)	DIRECTIONAL SIGN	(→)
	(12)	EXISTING PARKING SPACES IN BLOCK	(□)
		PROPOSED PARKING SPACES IN BLOCK	(○)

- CODED NOTES**
- 1 STRAIGHT 18" CURB PER DETAIL SHEET C.03
  - 2 EXTRUDED CONCRETE CURB PER DETAIL SHEET C.03
  - 3 PARKING STRIPE
  - 4 STRIPED PATH
  - 5 CONCRETE SIDEWALK PER DETAIL SHEET C.03
  - 6 NEW ASPHALT PAVEMENT
  - 7 CONCRETE DISPLAY AREA, REFERENCE ARCHITECTURAL PLAN FOR CONTRACTION JOINTS
  - 8 STRAIGHT 18" CURB - FLUSH WITH PAVEMENT (0" CURB REVEAL)
  - 9 PROPOSED PERVIOUS PAVEMENT AREA PER DETAIL SHEET C.03

- PLAN NOTES**
1. ALL DIMENSIONS AND RADII ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED.
  2. CURB RADII NOT LABELED ARE 3' UNLESS OTHERWISE SHOWN OR ONE-HALF THE WIDTH OF CURB ISLAND.
  3. ALL PRIVATE PAVEMENT MARKING SHALL BE WHITE UNLESS OTHERWISE NOTED.
  4. ALL DISTURBED AREA ARE TO RECEIVE FOUR INCHES OF TOPSOIL, SEED, MULCH AND WATER UNTIL A HEALTHY STAND OF GRASS IS ESTABLISHED.
  5. ALL WORK AND MATERIALS SHALL COMPLY WITH ALL CITY REGULATIONS AND CODES AND O.S.H.A. STD.
  6. TREES WITHIN THE "ISD" SHALL BE PRUNED IN ACCORDANCE WITH POLICY 08.013.

**SITE DATA**

ZONING DISTRICT:	BRIDGE STREET DISTRICT
EXISTING/PROPOSED:	SAWMILL CENTER NEIGHBORHOOD
OWNER:	GENERAL COMMERCIAL USE
TAX DISTRICT:	CAR GER OH DUB LLC
PARCEL NUMBER:	CITY OF DUBLIN
	273008258
OVERALL SITE AREA:	12.70 ACRES (553,212 SQ. FT.)
PHASE I AREA:	1.18 ACRES (51,401 SQ. FT.)
PHASE II AREA:	10.18 ACRES (443,557 SQ. FT.)
PHASE IV AREA (SITE):	1.34 ACRES (58,254 SQ. FT.)
PHASE IV AREA (R/W):	0.54 ACRES (23,489 SQ. FT.)
OVERALL ONSITE IMPERVIOUS AREA:	
EXISTING:	77.43% (9,835 AC.)
PROPOSED:	78.04% (9,911 AC.)
MAX:	80.0% (10.16 AC.)
OVERALL ONSITE LOT COVERAGE:	
(INCLUDES PERVIOUS PAVEMENT AREAS)	
EXISTING:	81.01% (10,288 AC.)
PROPOSED:	82.50% (10,478 AC.)
MAX:	80.0% + 10.0% = 90% (11.43 AC.)
OVERALL NET PHASE IV SITE IMPROVEMENTS:	
INCREASED IMPERVIOUS AREA (SITE):	= 3,310 SQ. FT.
INCREASED IMPERVIOUS AREA (R/W):	= 1,088 SQ. FT.

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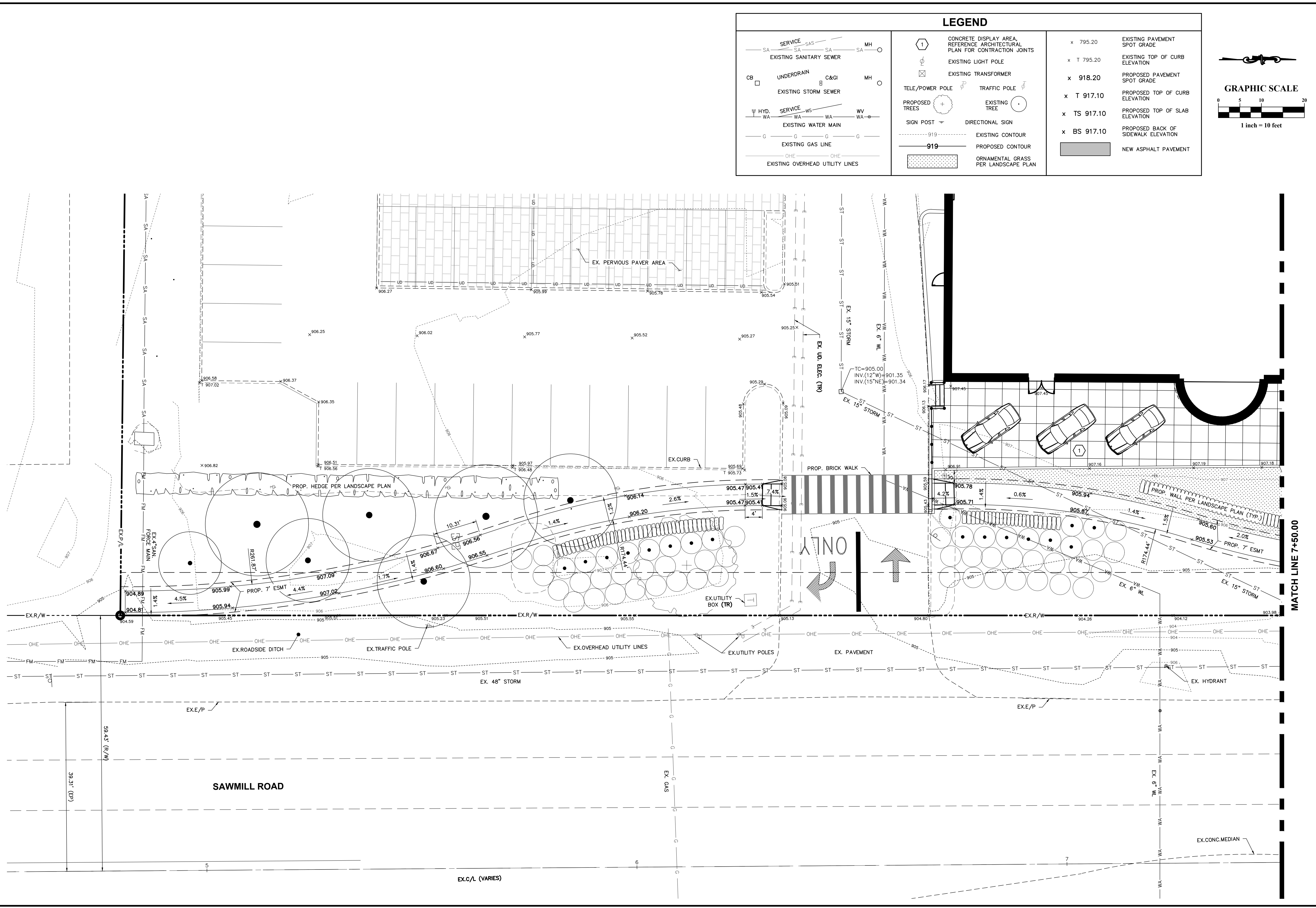
CITY OF DUBLIN, FRANKLIN COUNTY, OHIO  
**GERMAIN HONDA OF DUBLIN**  
 PRIVATE SITE IMPROVEMENT PLAN  
 FOR  
 PHASE IV SITE IMPROVEMENTS  
 SITE PLAN

Issue Dates:

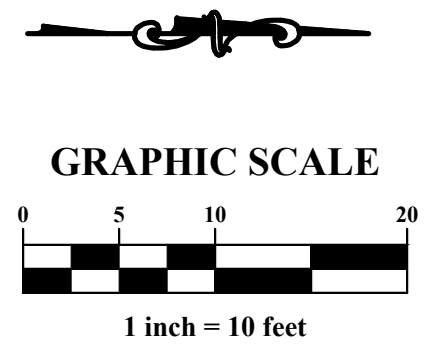
Date:	05/18/2020
Scale:	1" = 40'
Drawn By:	CLE
Checked By:	TW
Project Number:	18-0002-837
Drawing Number:	<b>C.05 / 10</b>



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LEGEND	
SA SA SAS SA MH	EXISTING SANITARY SEWER
CB	UNDERDRAIN
WA WA WA WA	EXISTING STORM SEWER
HYD. SERVICE WS WA WV	EXISTING WATER MAIN
G G G G	EXISTING GAS LINE
OHE OHE	EXISTING OVERHEAD UTILITY LINES
1	CONCRETE DISPLAY AREA, REFERENCE ARCHITECTURAL PLAN FOR CONTRACTION JOINTS
⊕	EXISTING LIGHT POLE
⊠	EXISTING TRANSFORMER
TELE/POWER POLE	TRAFFIC POLE
PROPOSED TREES	EXISTING TREE
SIGN POST	DIRECTIONAL SIGN
919	EXISTING CONTOUR
919	PROPOSED CONTOUR
ORNA	ORNAMENTAL GRASS PER LANDSCAPE PLAN
x 795.20	EXISTING PAVEMENT SPOT GRADE
x T 795.20	EXISTING TOP OF CURB ELEVATION
x 918.20	PROPOSED PAVEMENT SPOT GRADE
x T 917.10	PROPOSED TOP OF CURB ELEVATION
x TS 917.10	PROPOSED TOP OF SLAB ELEVATION
x BS 917.10	PROPOSED BACK OF SIDEWALK ELEVATION
ASPH	NEW ASPHALT PAVEMENT



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CITY OF DUBLIN, FRANKLIN COUNTY, OHIO  
**GERMAIN HONDA OF DUBLIN**  
 PRIVATE SITE IMPROVEMENT PLAN  
 FOR  
 PHASE IV SITE IMPROVEMENTS  
 SAWMILL ROAD SIDEWALK PLAN

Issue Dates:

Date: 05/18/2020  
 Scale: 1" = 10'

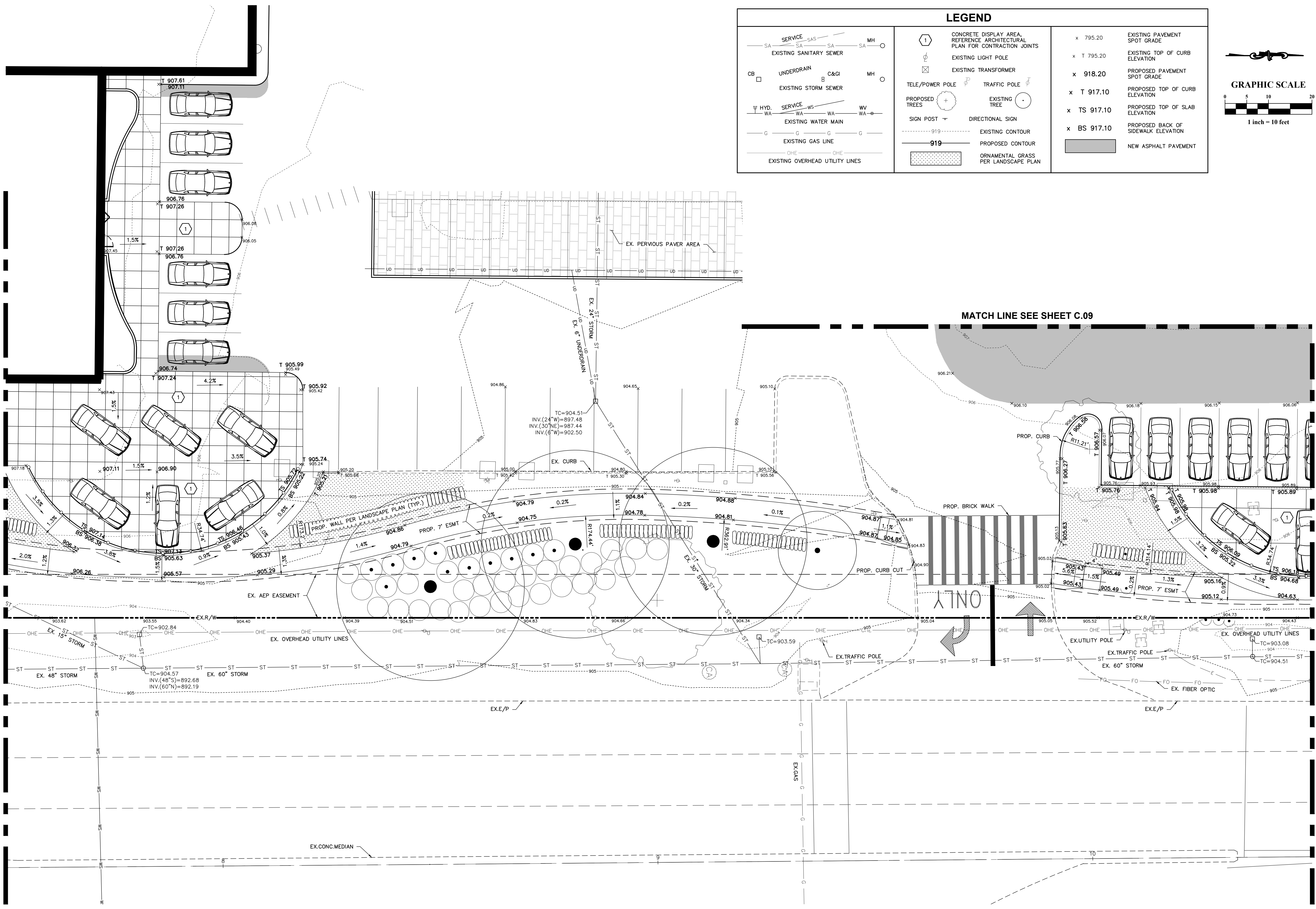
Drawn By: CLE  
 Checked By: TMW

Project Number:  
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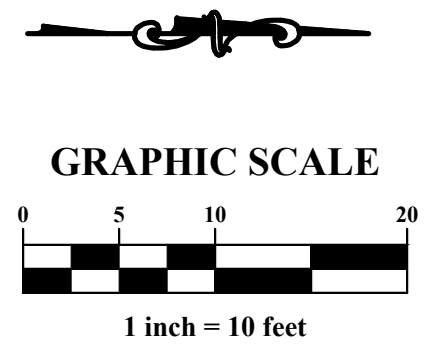
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LEGEND		
	EXISTING SANITARY SEWER	
	EXISTING STORM SEWER	
	EXISTING WATER MAIN	
	EXISTING GAS LINE	
	EXISTING OVERHEAD UTILITY LINES	
	CONCRETE DISPLAY AREA, REFERENCE ARCHITECTURAL PLAN FOR CONTRACTION JOINTS	
	EXISTING LIGHT POLE	
	EXISTING TRANSFORMER	
	TELE/POWER POLE	
	TRAFFIC POLE	
	PROPOSED TREES	
	EXISTING TREE	
	SIGN POST	
	DIRECTIONAL SIGN	
	EXISTING CONTOUR	
	PROPOSED CONTOUR	
	ORNAMENTAL GRASS PER LANDSCAPE PLAN	
	EXISTING PAVEMENT SPOT GRADE	x 795.20
	EXISTING TOP OF CURB ELEVATION	x T 795.20
	PROPOSED PAVEMENT SPOT GRADE	x 918.20
	PROPOSED TOP OF CURB ELEVATION	x T 917.10
	PROPOSED TOP OF SLAB ELEVATION	x TS 917.10
	PROPOSED BACK OF SIDEWALK ELEVATION	x BS 917.10
	NEW ASPHALT PAVEMENT	



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**GERMAIN HONDA OF DUBLIN**  
 PRIVATE SITE IMPROVEMENT PLAN  
 FOR  
 PHASE IV SITE IMPROVEMENTS  
 SAWMILL ROAD SIDEWALK PLAN

Issue Dates:

Date: 05/18/2020  
 Scale: 1" = 10'

Drawn By: CLE  
 Checked By: TMW

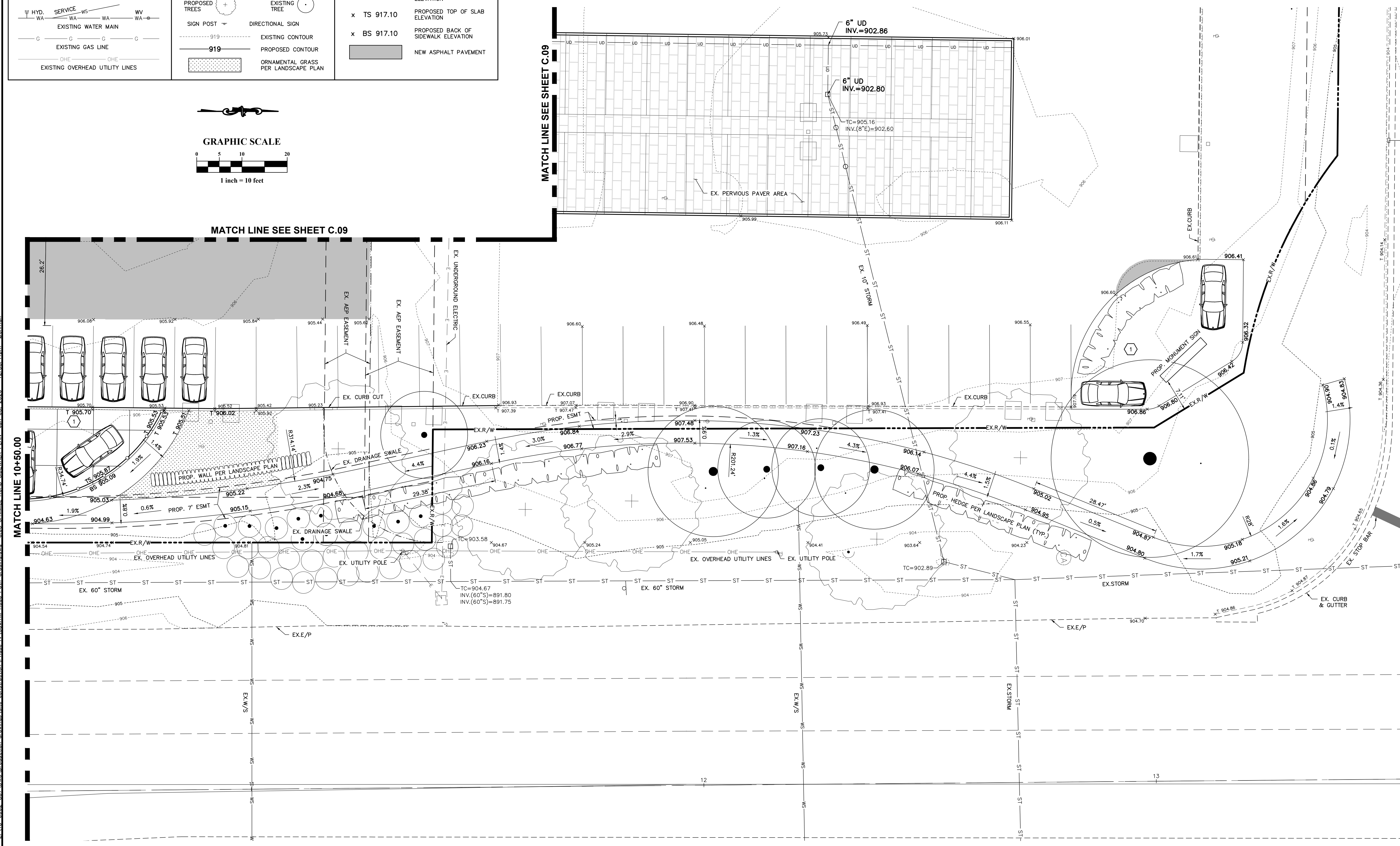
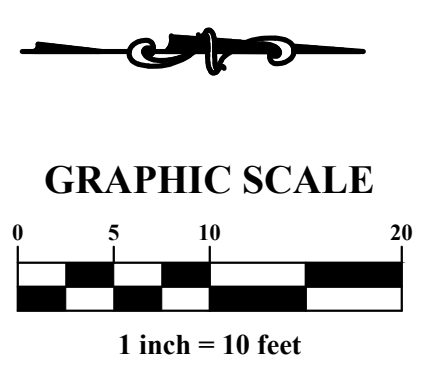
Project Number:  
 18-0002-837

Drawing Number:  
**C.07 / 10**



**LEGEND**

		x 795.20	EXISTING PAVEMENT SPOT GRADE
		x T 795.20	EXISTING TOP OF CURB ELEVATION
		x 918.20	PROPOSED PAVEMENT SPOT GRADE
		x T 917.10	PROPOSED TOP OF CURB ELEVATION
		x TS 917.10	PROPOSED TOP OF SLAB ELEVATION
		x BS 917.10	PROPOSED BACK OF SIDEWALK ELEVATION
			NEW ASPHALT PAVEMENT



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CITY OF DUBLIN, FRANKLIN COUNTY, OHIO  
**GERMAIN HONDA OF DUBLIN**  
PRIVATE SITE IMPROVEMENT PLAN  
FOR  
PHASE IV SITE IMPROVEMENTS  
SAWMILL ROAD SIDEWALK PLAN

Issue Dates:	Date: 05/18/2020
	Scale: 1" = 10'
Drawn By: CLE	Checked By: TMW
Project Number:	18-0002-837
Drawing Number:	<b>C.08 / 10</b>

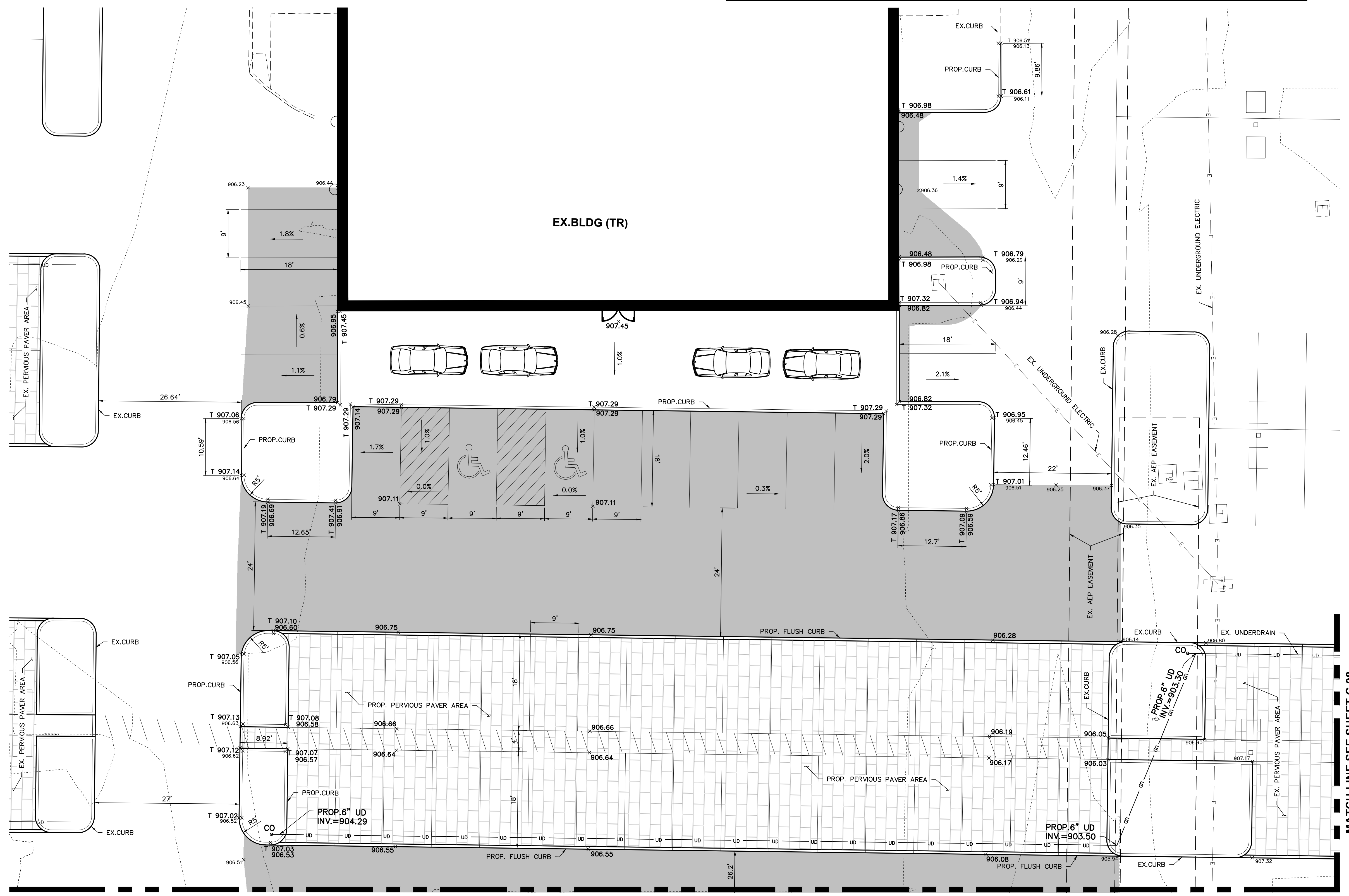
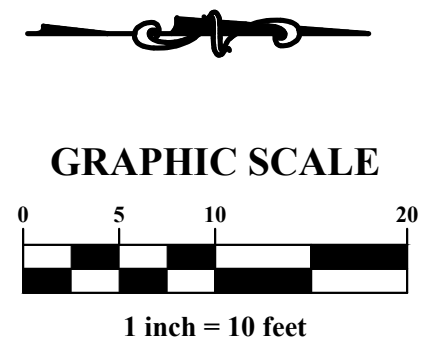
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Z:\18-0002-837\DWG\production\drawings\site\construction\Phase IV\Soemmill\_Road\_Path\_Gradina.dwg C:09 NORTH BUILDING GRADING DETAIL Jun 08 2020 - 12:58:56am bohman

### LEGEND

<p>SA SERVICE SA SAS SA MH EXISTING SANITARY SEWER</p> <p>CB UNDERDRAIN C&amp;GI MH EXISTING STORM SEWER</p> <p>HYD. SERVICE WS WA WV EXISTING WATER MAIN</p> <p>G G G G EXISTING GAS LINE</p> <p>OHE OHE EXISTING OVERHEAD UTILITY LINES</p>	<p>1 CONCRETE DISPLAY AREA, REFERENCE ARCHITECTURAL PLAN FOR CONTRACTION JOINTS</p> <p>EXISTING LIGHT POLE</p> <p>EXISTING TRANSFORMER</p> <p>TELE/POWER POLE TRAFFIC POLE</p> <p>PROPOSED TREES EXISTING TREE</p> <p>SIGN POST DIRECTIONAL SIGN</p> <p>919 EXISTING CONTOUR 919 PROPOSED CONTOUR</p> <p>ORNAMENTAL GRASS PER LANDSCAPE PLAN</p>	<p>x 795.20 EXISTING PAVEMENT SPOT GRADE</p> <p>x T 795.20 EXISTING TOP OF CURB ELEVATION</p> <p>x 918.20 PROPOSED PAVEMENT SPOT GRADE</p> <p>x T 917.10 PROPOSED TOP OF CURB ELEVATION</p> <p>x TS 917.10 PROPOSED TOP OF SLAB ELEVATION</p> <p>x BS 917.10 PROPOSED BACK OF SIDEWALK ELEVATION</p> <p>NEW ASPHALT PAVEMENT</p>
---	--	--



MATCH LINE SEE SHEETS C.07 & C.08

MATCH LINE SEE SHEET C.08

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Integrity

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GERMAIN HONDA OF DUBLIN

PRIVATE SITE IMPROVEMENT PLAN

FOR

PHASE IV SITE IMPROVEMENTS

NORTH BUILDING GRADING DETAIL

Issue Dates:	
Date:	05/18/2020
Scale:	1" = 10'
Drawn By:	CLE
Checked By:	TMW
Project Number:	18-0002-837
Drawing Number:	C.09 / 10



**EROSION AND SEDIMENT CONTROL NARRATIVE**

PLAN ENGINEERS: ADVANCED CIVIL DESIGN, INC.  
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PH (614) 428-7750  
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CONTACT: TOM WARNER  
EMAIL: TWARNER@ADVANCEDCIVILDDESIGN.COM

SITE MANAGER: RENIER CONSTRUCTION  
2164 CITYGATE DRIVE  
COLUMBUS, OH 43219  
614-866-4580

PROPERTY OWNER: CAR GER OH DUB LLC  
8270 GREENSBORO DR, #950  
MCLEAN, VA 22102

EXISTING SITE DESCRIPTION: THE PROJECT SITE IS AN EXISTING CAR DEALERSHIP, CONSISTING OF A MAIN BUILDING, PARKING LOT AND WALKS.

EXISTING SITE DISTURBANCE: APPROXIMATELY 1.86 ACRES

EXISTING SITE DRAINAGE CONDITION: THE SITE DRAINS TO EXISTING ON-SITE STORM SEWER SYSTEM, TRIBUTARY TO A PUBLIC STORM SEWER ALONG THE WEST SIDE OF SAWMILL ROAD.

ADJACENT AREAS: THE SITE IS BOUNDED BY A COMMERCIAL PROPERTY TO THE SOUTH AND PUBLIC STREETS TO THE WEST, NORTH AND EAST.

CRITICAL AREAS: THE PUBLIC ROADS AND STORM SEWERS SHALL BE PROTECTED FROM SEDIMENT LADEN RUNOFF.

EROSION & SEDIMENT CONTROL MEASURES: EROSION AND SEDIMENT RUNOFF WILL BE CONTROLLED BY THE USE OF SEDIMENT FENCE AND INLET PROTECTION.

MAINTENANCE: MAINTENANCE OF THE EROSION & SEDIMENT CONTROL ITEMS SHALL BE IN ACCORDANCE WITH THE NOTES LISTED WITHIN THIS PLAN.

- CONSTRUCTION SEQUENCE: (EROSION & SED. CONTROL)
- OBTAIN PROPER CITY OF DUBLIN, COUNTY, STATE, AND FEDERAL PERMITS.
  - PRIOR TO CONSTRUCTION THE OWNER/OPERATOR SHALL COORDINATE WITH ALL CONTRACTORS AND THE CITY OF DUBLIN ENGINEER AS REQUIRED.
  - THE CONTRACTOR SHALL CALL THE OHIO UTILITIES PROTECTION SERVICE (OUPS) AT 1-800-362-2764 FORTY-EIGHT (48) HOURS IN ADVANCE OF ANTICIPATED START OF CONSTRUCTION, AND SHALL NOTIFY ALL UTILITY COMPANIES AT LEAST 48 HOURS PRIOR TO WORK IN THE VICINITY OF THEIR LINES.
  - THE CONTRACTOR SHALL INSTALL ORANGE CONSTRUCTION FENCE AROUND ALL PROTECTION AREAS (PRESERVED TREES) PRIOR TO COMMENCEMENT OF WORK.
  - CLEAR NECESSARY VEGETATION FOR THE INSTALLATION OF THE PERIMETER SEDIMENT FENCE.
  - WHILE PERFORMING SITE GRADING ACTIVITIES, DISTURBED AREAS SHALL BE SEEDED WITHIN 7 DAYS OF CONSTRUCTION. DRAINAGE SHALL BE DIRECTED TO A FILTERING FACILITY AT ALL TIMES DURING CONSTRUCTION. TOPSOIL SHALL BE STOCKPILED FOR LATER RE-SPREAD OR HAULED OFFSITE.
  - AS EACH AREA IS DISTURBED IN ORDER TO PROVIDE COMPACTION AND PLACEMENT OF FILL ACROSS THE SITE, EROSION CONTROL MEASURES SHALL BE USED. STOCKPILES SHALL BE SURROUNDED BY SEDIMENT FENCE AND TEMPORARY SEEDING APPLIED.
  - SEED AND MULCH THE SITE ACCORDING TO THE TEMPORARY AND PERMANENT SEEDING REQUIREMENTS TO REESTABLISH ALL DENUDED AREAS.
  - THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE TEMPORARY EROSION CONTROL DEVICES ONLY AFTER ALL AREAS HAVE BEEN PAVED AND/OR SEEDED/MULCHED. AFTER REMOVAL OF THE EROSION CONTROL DEVICES, THE CONTRACTOR SHALL CLEAN ALL INLETS AND STORM SEWER PIPES OF ALL SEDIMENT INCURRED DURING CONSTRUCTION

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 RAINWATER AND LAND DEVELOPMENT MANUAL. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR PROVIDING NECESSARY AND ADEQUATE MEASURES FOR PROPER CONTROL OF EROSION AND SEDIMENT RUNOFF FROM THE SITE ALONG WITH PROPER MAINTENANCE AND INSPECTION IN COMPLIANCE WITH THE NPDES GENERAL PERMIT FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY.

**GENERAL EROSION AND SEDIMENT CONTROL NOTES**

PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DENUDED AREAS WITHIN SEVEN DAYS AFTER FINAL PROPOSED GRADE IS REACHED ON ANY PORTION OF THE SITE. ALL DENUDED AREAS SHALL BE CONSTRUCTED TO FINAL PROPOSED GRADE AS QUICKLY AS POSSIBLE AND SHOULD NOT BE LEFT DORMANT UNLESS SITE CONDITIONS DO NOT ALLOW FINAL GRADING TO BE COMPLETED. SOIL STABILIZATION SHALL ALSO BE APPLIED WITHIN SEVEN DAYS TO DENUDED AREAS WHERE GRADING MAY NOT BE COMPLETE, BUT WILL REMAIN DORMANT (UNDISTURBED) FOR LONGER THAN FORTY-FIVE DAYS.

SHEET FLOW RUNOFF FROM DENUDED AREAS SHALL BE FILTERED OR DIVERTED TO A SETTLING FACILITY.

SEDIMENT BARRIERS SUCH AS SEDIMENT FENCE OR DIVERSIONS TO SETTLING FACILITIES SHALL PROTECT ADJACENT PROPERTIES AND WATER RESOURCES FROM SEDIMENT TRANSPORTED BY SHEET FLOW.

PRIOR TO CONSTRUCTION OPERATIONS IN A PARTICULAR AREA, ALL SEDIMENTATION AND EROSION CONTROL FEATURES SHALL BE IN PLACE. FIELD ADJUSTMENTS WITH RESPECT TO LOCATIONS AND DIMENSIONS MAY BE MADE BY THE ENGINEER.

THE CONTRACTOR SHALL PLACE INLET PROTECTION FOR THE EROSION CONTROL IMMEDIATELY AFTER CONSTRUCTION OF THE CATCH BASINS OR INLETS WHICH ARE NOT TRIBUTARY TO A SEDIMENT BASIN OR DAM.

THE LIMITS OF SEEDING AND MULCHING WILL EXTEND OVER THE PROJECT AREA IN ACCORDANCE WITH THE LEVEL OF DISTURBANCE ASSOCIATED WITH THE ACTUAL CONSTRUCTION SEQUENCE. ALL AREAS NOT DESIGNATED TO BE SEEDED SHALL REMAIN UNDER NATURAL GROUND COVER. THOSE AREAS DISTURBED OUTSIDE THE SEEDING LIMITS SHALL BE SEEDED AND MULCHED AT THE CONTRACTOR'S EXPENSE.

**TEMPORARY SEEDING**

Area requiring temporary stabilization	Time frame to apply erosion controls
Any disturbance areas within 50 feet of a surface water of the State and not at final grade	Within two days of the most recent Disturbance if the area will remain idle for more than 21 days
For all construction activities, any disturbed areas that will be dormant for more than 21 days but less than one year, and not within 50 feet of a surface water of the State	Within seven days of the most recent disturbance within the area
Disturbed areas that will be idle over winter	Prior to the onset of winter weather

**PERMANENT SEEDING**

Area requiring Permanent stabilization	Time frame to apply erosion controls
Any area that will lie dormant for one year or more	Within seven days of the most recent disturbance
Any areas within 50 feet of a surface water of the State and at final grade	Within two days of reaching final grade
Any other areas at final grade	Within seven days of reaching final grade within that area

DESCRIPTION	DATES	RECOMMENDED APPLICATION RATE (OR EQUIVALENT) AS SPECIFIED IN RAINWATER & LAND DEVELOPMENT MANUAL
PERMANENT SEEDING	MARCH 1-SEPT 30	GENERAL USE MIX OF - CREEPING RED FESCUE @ 20-40 LB/AC DOMESTIC RYEGRASS @ 10-20 LB/AC KENTUCKY BLUEGRASS @ 10-20 LB/AC
		STEEP BANKS ROAD DITCHES TALL FESCUE @ 40 LB/AC
TEMPORARY SEEDING	MARCH 1-SEPT 30	MIX OF - PERENNIAL RYEGRASS @ 40 LB/AC TALL FESCUE @ 40 LB/AC ANNUAL RYEGRASS @ 40 LB/AC
DORMANT SEEDING	OCT 1-NOV 20	PREPARE SEEDBED, ADD LIME & FERTILIZER, THEN MULCH FROM NOV 21 THROUGH MARCH 15, APPLY THE SELECTED SEED MIXTURE AT A 50% INCREASE IN RATE
	NOV 20-MARCH 15	PREPARE SEEDBED, ADD LIME & FERTILIZER, APPLY THE SELECTED SEED MIXTURE AT A 50% INCREASE IN RATE, THEN MULCH
MULCH	ANY TIME OF YEAR	STRAW 2 TONS/AC OR 90 LB/1000FT
		HYDROSEED (WOOD CELLULOSE FIBER) 1 TON/AC OR 46 LB/1000FT

MAINTENANCE: IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE SEDIMENT CONTROL FEATURES USED ON THIS PROJECT. THE SITE SHALL BE INSPECTED EVERY 7 DAYS AND WITHIN 24 HOURS OF A STORM EVENT GREATER THAN 0.5" PER 24 HOUR PERIOD. RECORDS OF THESE INSPECTIONS SHALL BE KEPT AND MADE AVAILABLE TO JURISDICTIONAL AGENCIES IF REQUESTED. ANY SEDIMENT OR DEBRIS WHICH HAS REDUCED THE EFFICIENCY OF A STRUCTURE SHALL BE REMOVED IMMEDIATELY. SHOULD A STRUCTURE OR FEATURE BECOME DAMAGED, THE CONTRACTOR SHALL REPAIR OR REPLACE AT NO ADDITIONAL COST TO THE OWNER.

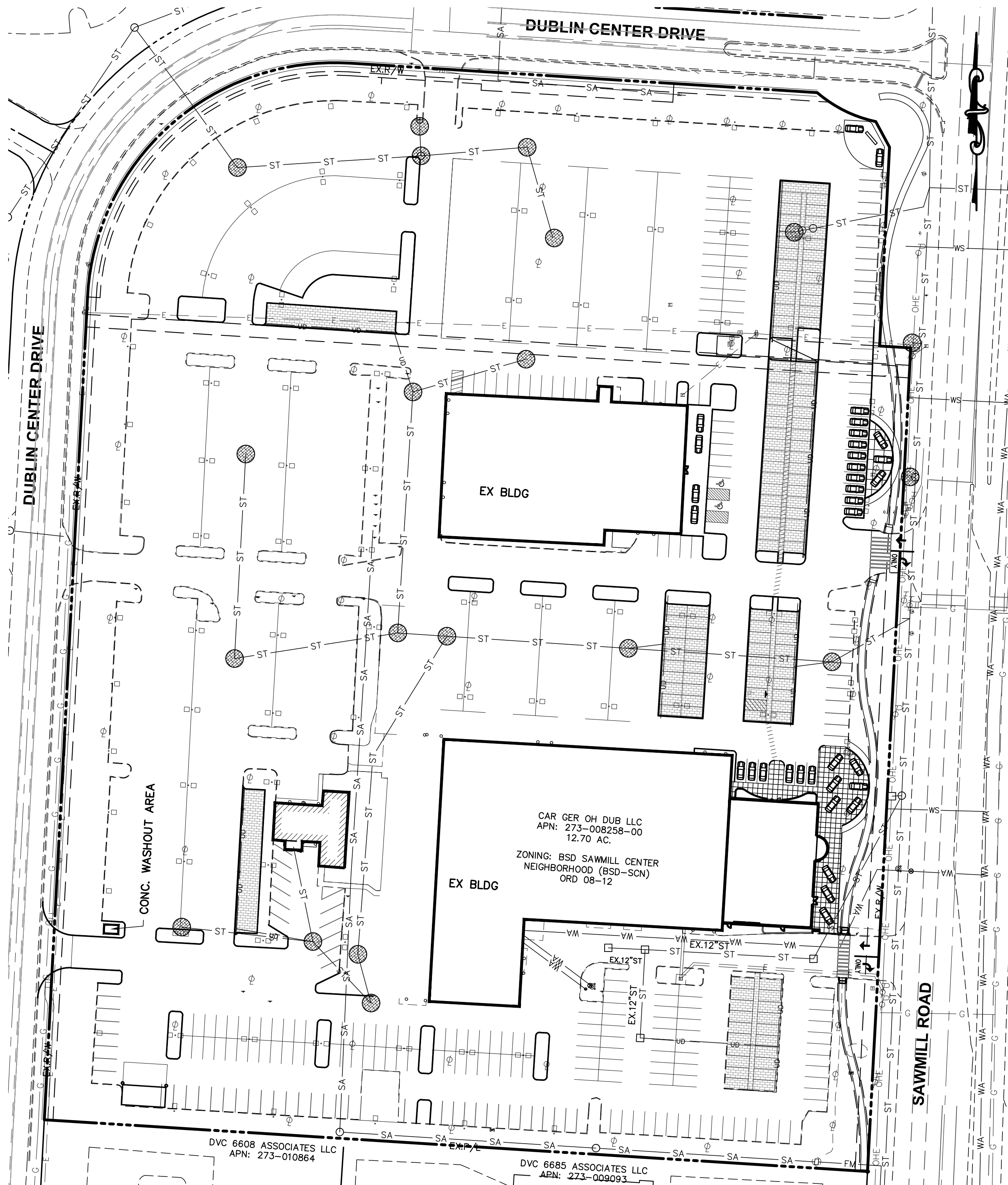
SCHEDULE: THE CONTRACTOR SHALL PROVIDE A SCHEDULE OF OPERATIONS TO THE CONSTRUCTION MANAGER. SEDIMENTATION AND EROSION CONTROL FEATURES SHALL BE PLACED IN ACCORDANCE WITH THIS SCHEDULE.

**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 RAINWATER AND LAND DEVELOPMENT MANUAL. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR PROVIDING NECESSARY AND ADEQUATE MEASURES FOR PROPER CONTROL OF EROSION AND SEDIMENT RUNOFF FROM THE SITE ALONG WITH PROPER MAINTENANCE AND INSPECTION IN COMPLIANCE WITH THE NPDES GENERAL PERMIT FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY.

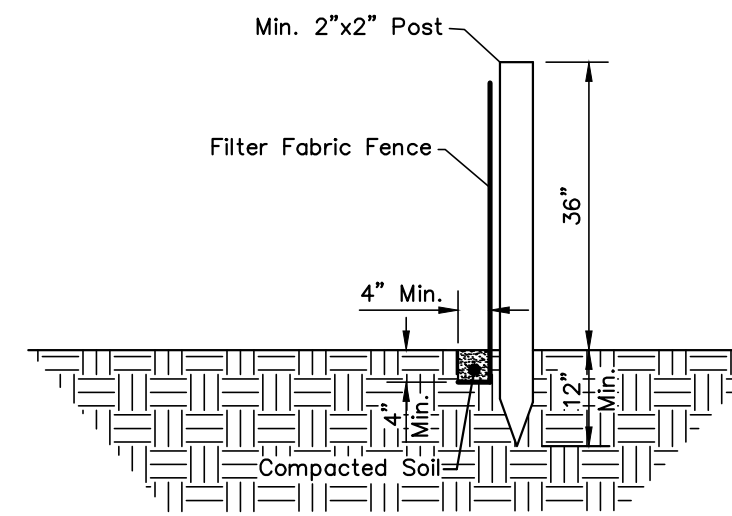
THE CONTRACTOR SHALL PROVIDE A SCHEDULE OF OPERATIONS TO THE OWNER. THE SCHEDULE SHOULD INCLUDE A SEQUENCE OF THE PLACEMENT OF THE SEDIMENTATION AND EROSION CONTROL MEASURES THAT PROVIDES FOR CONTINUAL PROTECTION OF THE SITE THROUGHOUT THE EARTH MOVING ACTIVITIES.

THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT OFF-SITE TRACKING OF SEDIMENTS BY VEHICLES AND EQUIPMENT IS MINIMIZED. ALL SUCH OFF-SITE SEDIMENT SHALL BE CLEANED UP DAILY.



**EROSION CONTROL PLAN**

SCALE: 1" = 60'



**SEDIMENT FENCE DETAIL**

(No Scale)

**SEDIMENT FENCE NOTES**

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.

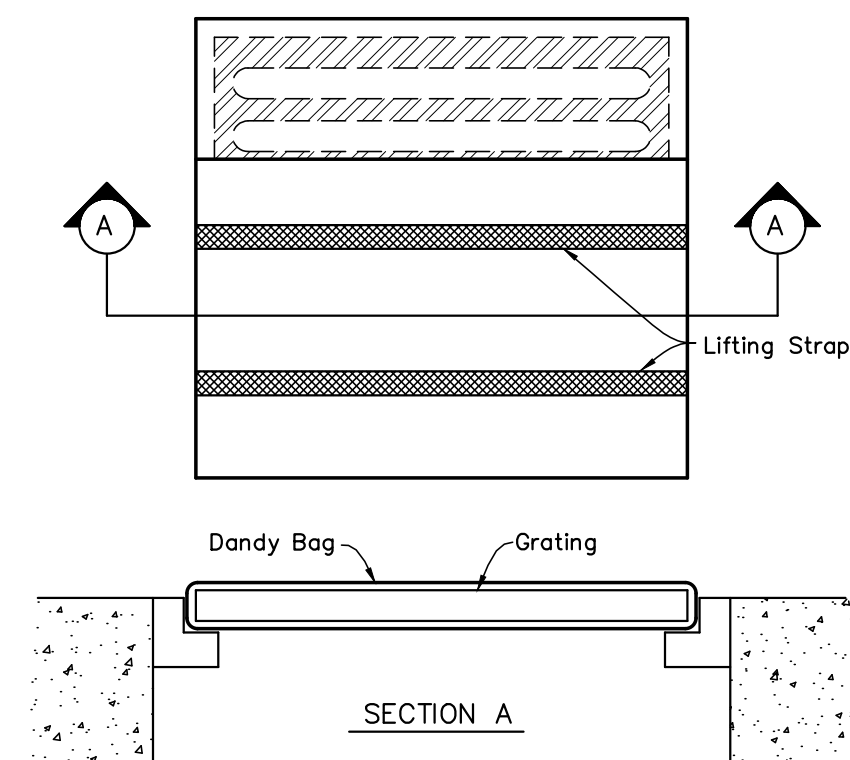
- THE HEIGHT OF A SILT FENCE SHALL NOT EXCEED 36 INCHES (HIGHER FENCES MAY IMPOUND VOLUMES OF WATER SUFFICIENT TO CAUSE FAILURE OF THE STRUCTURE).
  - THE FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID THE USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPICED TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM OF A 6-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). 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 4 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, TIE 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 SHALL 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 IMMEDIATELY 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.

**MAINTENANCE**

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.

SEDIMENT DEPOSITS SHOULD 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.



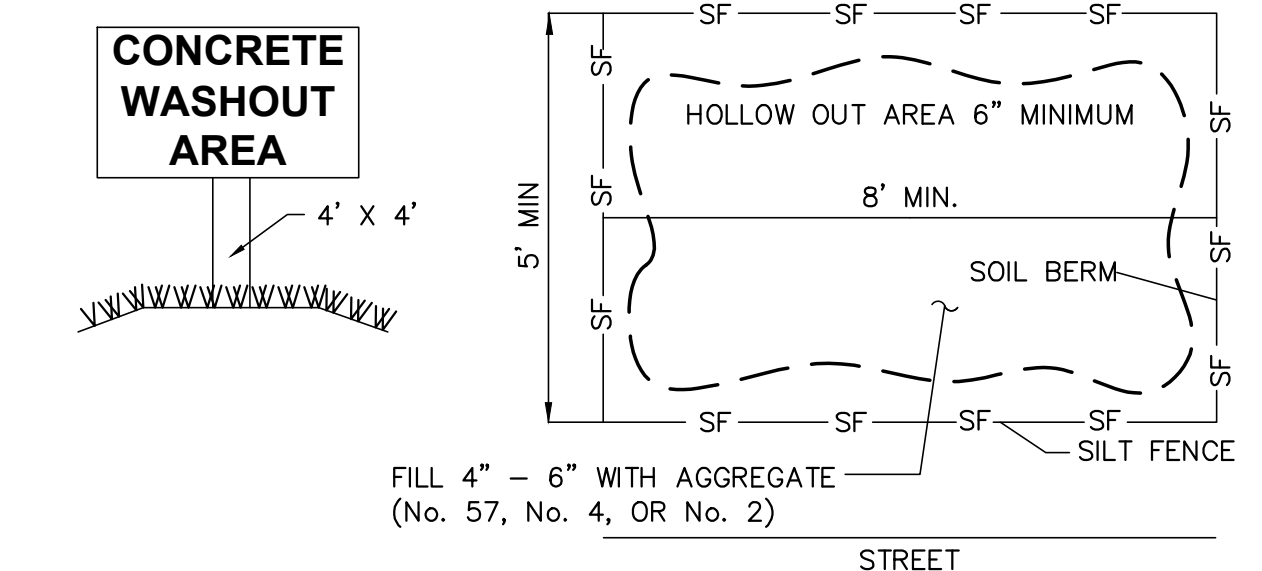
**DANDY BAG**

INSTALLATION: STAND GRATE ON END, PLACE DANDY BAG OVER GRATE. ROLL GRATE OVER SO THAT OPEN END IS UP. PULL UP SLACK, TUCK FLAP IN. BE SURE END OF GRATE IS COMPLETELY COVERED BY FLAP OR DANDY BAG WILL NOT FIT PROPERLY. HOLDING HANDLES, CAREFULLY PLACE DANDY BAG WITH GRATE INSERTED INTO CATCH BASIN FRAME SO THAT RED DOT ON THE TOP OF THE DANDY BAG IS VISIBLE.

MAINTENANCE: WITH A STIFF BRISTLE BROOM OR SQUARE POINT SHOVEL REMOVE SILT & OTHER DEBRIS OFF SURFACE AFTER EACH EVENT.

**INLET PROTECTION DETAIL**

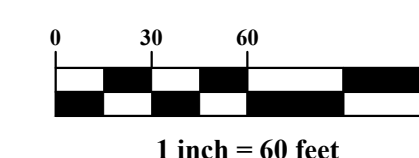
(No Scale)



**CONCRETE WASHOUT AREA**

(No Scale)

**GRAPHIC SCALE**



**LEGEND**

- PROPOSED INLET PROTECTION
- CONCRETE WASHOUT AREA

PLAN PREPARED BY:  
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(614) 866-0800  
Integrity

CITY OF DUBLIN, FRANKLIN COUNTY, OHIO  
**GERMAIN HONDA OF DUBLIN**  
PRIVATE SITE IMPROVEMENT PLAN  
FOR  
PHASE IV SITE IMPROVEMENTS  
EROSION & SEDIMENT CONTROL PLAN

Issue Dates:

Date: 05/18/2020  
Scale: AS NOTED

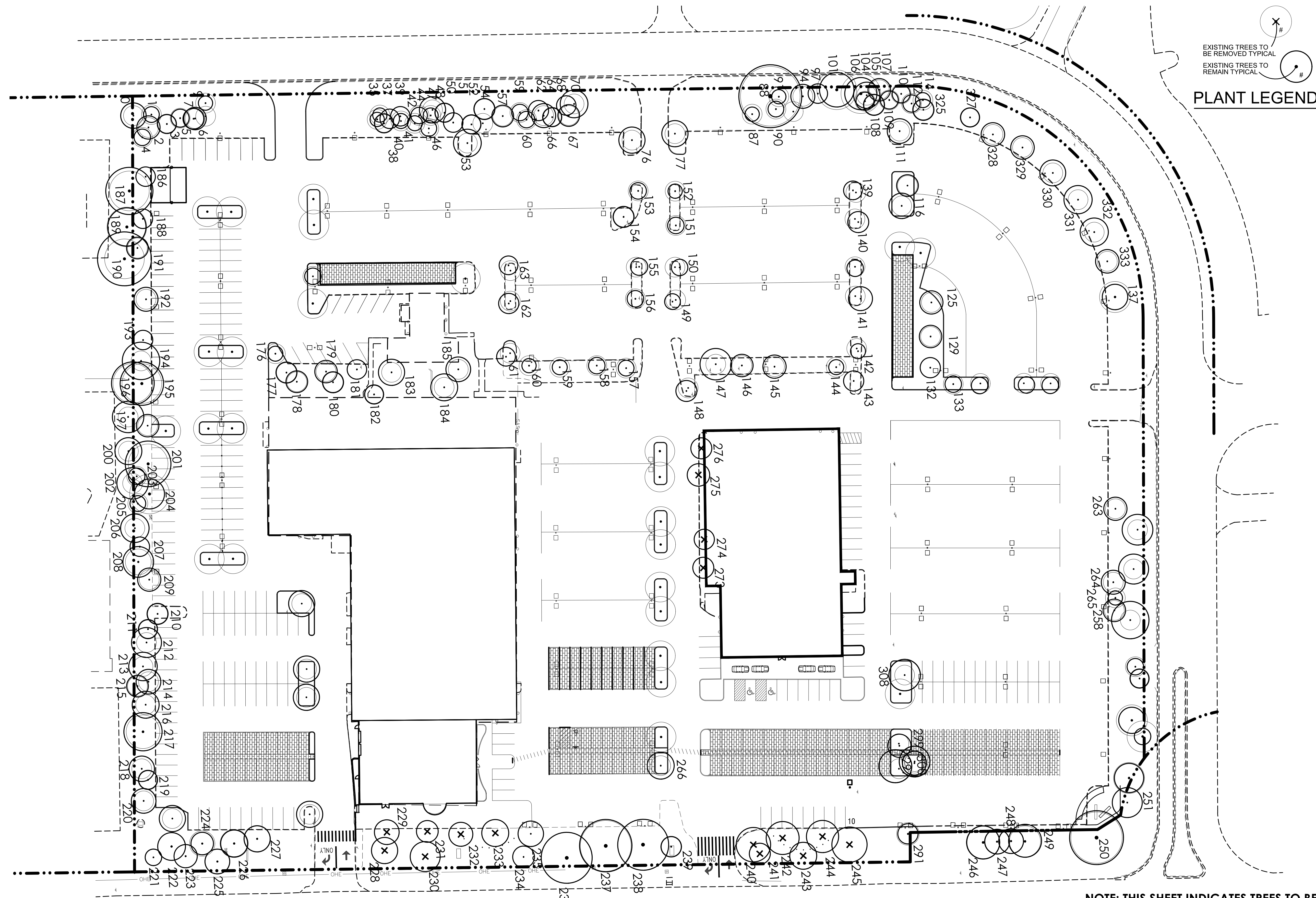
Drawn By: CLE  
Checked By: TMW

Project Number:  
18-0002-837

Drawing Number:  
**C.10 / 10**

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EXISTING TREES TO BE REMOVED TYPICAL  
 EXISTING TREES TO REMAIN TYPICAL  
**PLANT LEGEND**

**1 TREE PRESERVATION & DEMOLITION PLAN**  
 0 20 40 80 NORTH

**NOTE: THIS SHEET INDICATES TREES TO BE REMOVED OR MAINTAINED ALONG SAWMILL ROAD.**

PLAN PREPARED BY:  
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 CITY OF DUBLIN, FRANKLIN COUNTY, OHIO  
**GERMAIN HONDA OF DUBLIN**  
**PRIVATE SITE IMPROVEMENT PLAN**  
 FOR  
**PHASE IV SITE IMPROVEMENTS**  
**TREE PRESERVATION & DEMOLITION PLAN**  
 Issue Dates:  
 Date: 05/01/2020  
 Scale: SEE DRAWING  
 Drawn By: GRK  
 Checked By: GRK  
 Project Number:  
**18-0002-837**  
 Drawing Number:  
**L1.1**

422 Beaulieu Road  
 Columbus, Ohio 43230  
 Ph 614.428.7750  
 Fax 614.428.7785



NOTE: DUBLIN CENTER DRIVE LANDSCAPE IS NOT UNDER STUDY IN THIS PLAN.

NOTE: THE SITE'S INTERIOR LANDSCAPE IS NOT UNDER STUDY IN THIS PLAN.

EXISTING TREES TO REMAIN TYPICAL

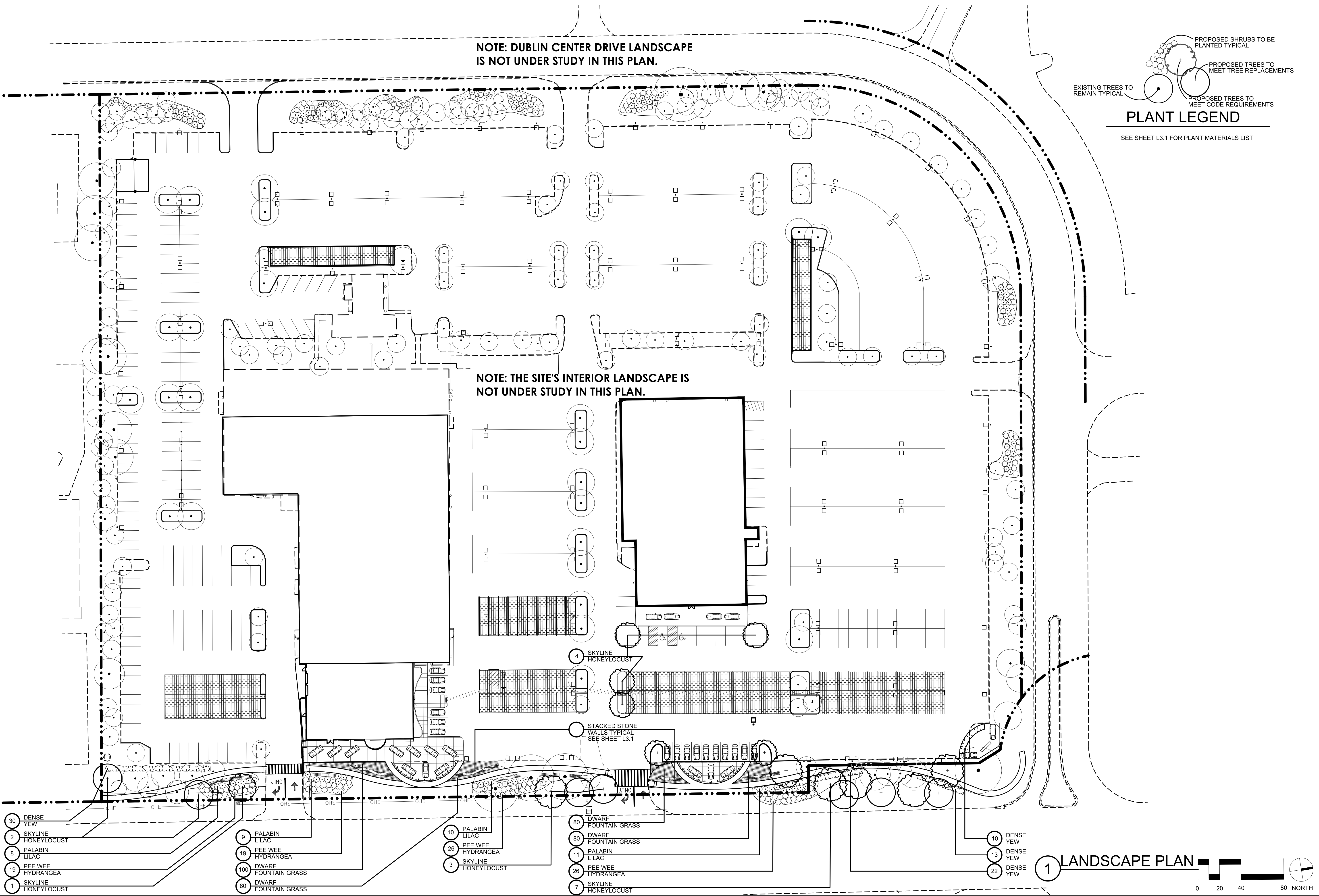
PROPOSED SHRUBS TO BE PLANTED TYPICAL

PROPOSED TREES TO MEET TREE REPLACEMENTS

PROPOSED TREES TO MEET CODE REQUIREMENTS

### PLANT LEGEND

SEE SHEET L3.1 FOR PLANT MATERIALS LIST



- 30 DENSE YEW
- 2 SKYLINE HONEYLOCUST
- 8 PALABIN LILAC
- 19 PEE WEE HYDRANGEA
- 1 SKYLINE HONEYLOCUST
- 9 PALABIN LILAC
- 19 PEE WEE HYDRANGEA
- 100 DWARF FOUNTAIN GRASS
- 80 DWARF FOUNTAIN GRASS
- 10 PALABIN LILAC
- 26 PEE WEE HYDRANGEA
- 3 SKYLINE HONEYLOCUST
- 80 DWARF FOUNTAIN GRASS
- 80 DWARF FOUNTAIN GRASS
- 11 PALABIN LILAC
- 26 PEE WEE HYDRANGEA
- 7 SKYLINE HONEYLOCUST
- 10 DENSE YEW
- 13 DENSE YEW
- 22 DENSE YEW

**1 LANDSCAPE PLAN**

0 20 40 80 NORTH

PLAN PREPARED BY:

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**ADVANCED**  
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*Integrity*

CITY OF DUBLIN, FRANKLIN COUNTY, OHIO

**GERMAIN HONDA OF DUBLIN**

**PRIVATE SITE IMPROVEMENT PLAN**

FOR

**PHASE IV SITE IMPROVEMENTS**

**LANDSCAPE PLAN**

Issue Dates:

Date: 05/01/2020  
Scale: SEE DRAWING

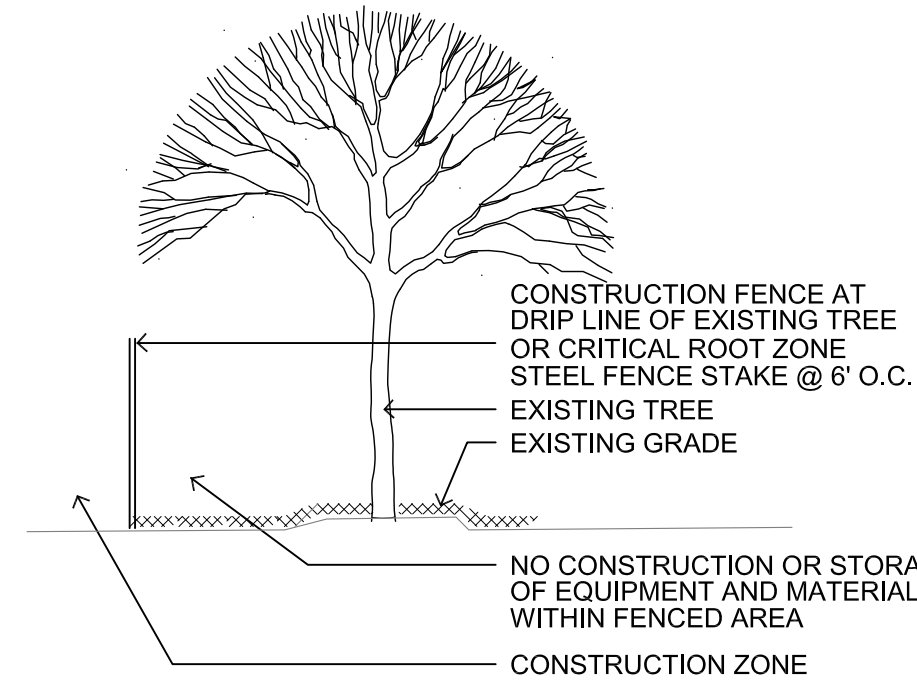
Drawn By: GRK  
Checked By: GRK

Project Number:  
**18-0002-837**

Drawing Number:  
**L2.1**



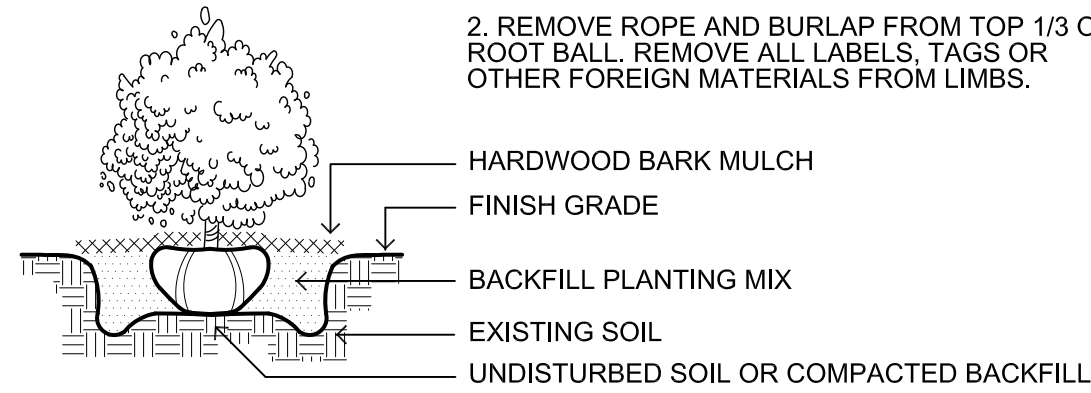
CRITICAL ROOT ZONE (CRZ) :  
EQUAL TO 1 FOOT FOR EVERY  
INCH OF DIAMETER BREAST HEIGHT  
OVER 6" CALIPER TREE.



**1 TREE PROTECTION FENCING**  
NTS

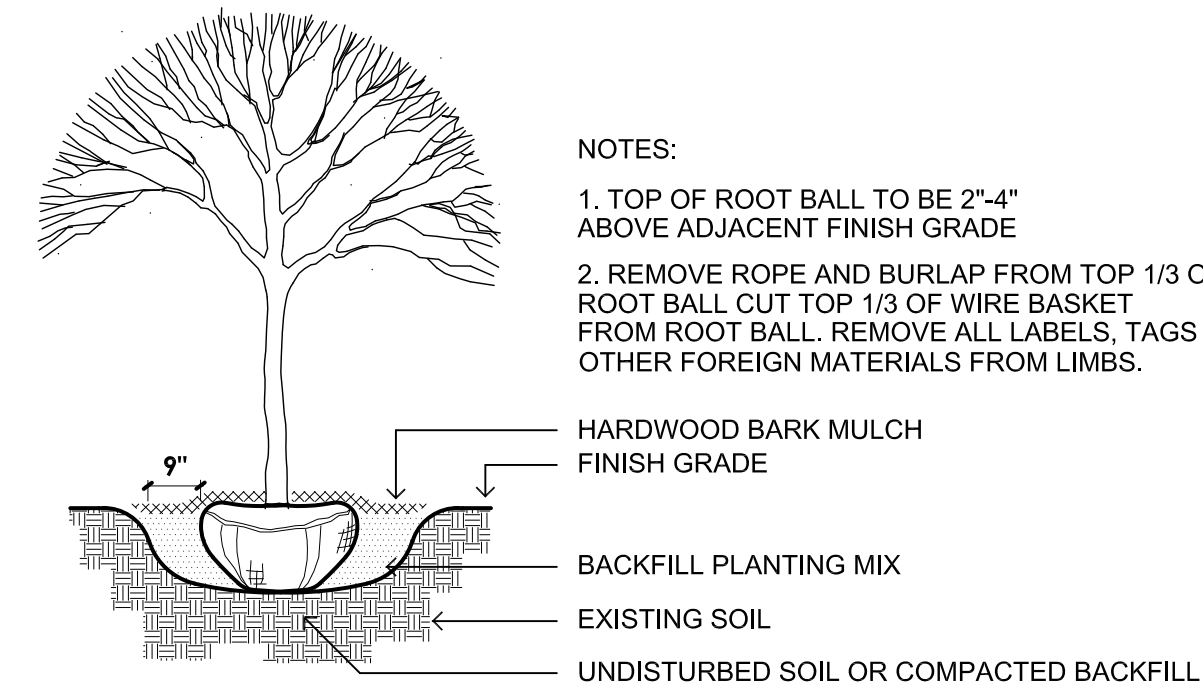
1. FENCING TO BE HIGH VIABILITY MEDIUM WEIGHT CONSTRUCTION BARRIER FENCING ATTACHED TO POSTS WITH ZIP TIES AT 1' O.C.
2. INSPECTION OF INSTALLATION IS REQUIRED. CALL 614-410-4600
3. THE CITY IS TO BE CONTACTED IF FENCE LOCATION NEEDS TO BE ADJUSTED.

- NOTES:
1. TOP OF ROOT BALL TO BE 2"-3" ABOVE ADJACENT FINISH GRADE
  2. REMOVE ROPE AND BURLAP FROM TOP 1/3 OF ROOT BALL. REMOVE ALL LABELS, TAGS OR OTHER FOREIGN MATERIALS FROM LIMBS.

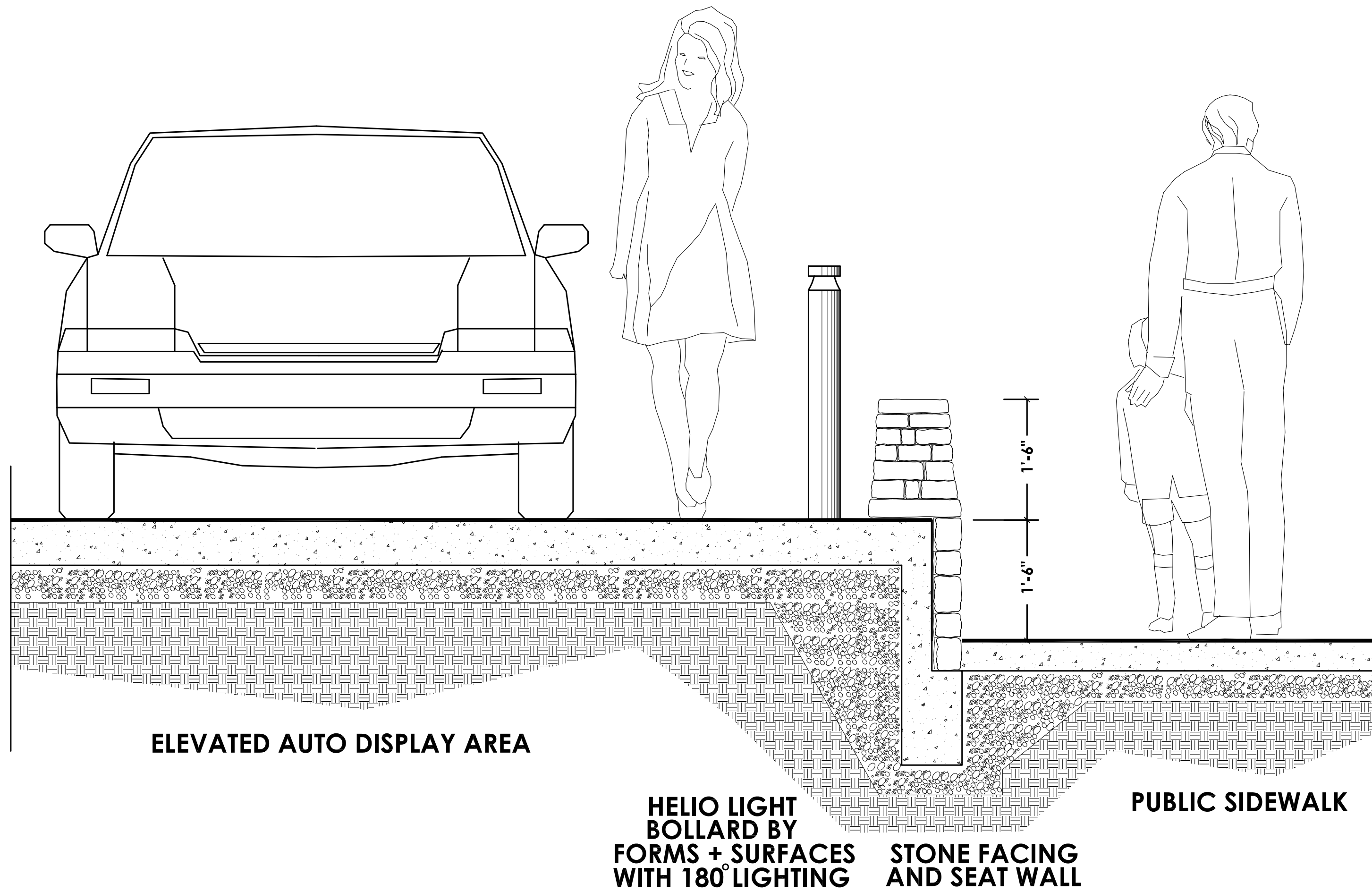


**2 SHRUB PLANTING**  
NTS

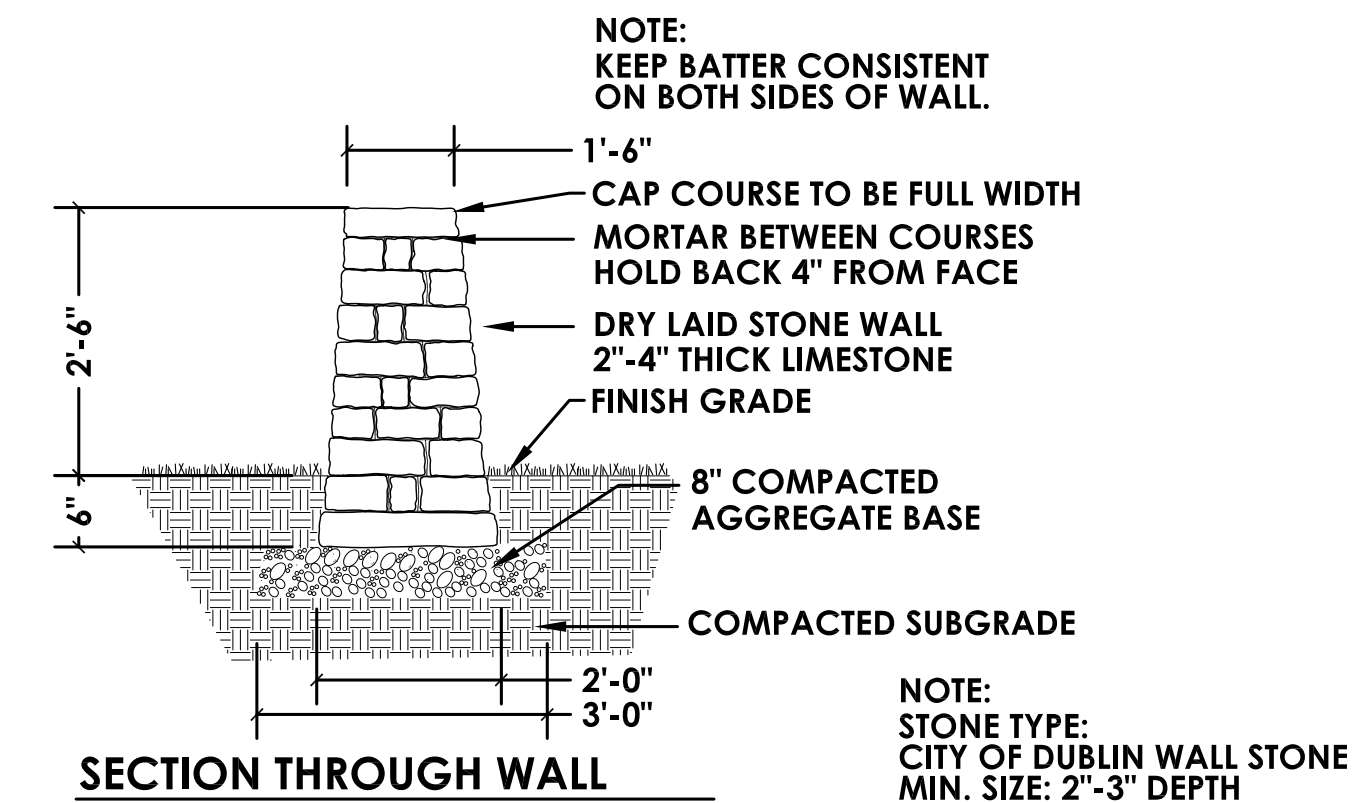
- NOTES:
1. TOP OF ROOT BALL TO BE 2"-4" ABOVE ADJACENT FINISH GRADE
  2. REMOVE ROPE AND BURLAP FROM TOP 1/3 OF ROOT BALL. CUT TOP 1/3 OF WIRE BASKET FROM ROOT BALL. REMOVE ALL LABELS, TAGS OR OTHER FOREIGN MATERIALS FROM LIMBS.



**3 TREE PLANTING**  
NTS



**4 SECTION LOOKING NORTH @ OUTDOOR DISPLAY**  
NTS



**5 DRY LAID STONE WALL**  
NTS

PLANT MATERIALS LIST

QTY.	COMMON NAME	BOTANICAL NAME	SIZE	ROOT
TREES				
17	SKYLINE HONEYLOCUST	Geditsia t. i. 'Skyline'	2 1/2" Cal.	B&B
SHRUBS				
90	PEE WEE HYDRANGEA	Hydrangea q. Pee Wee	24" Hgt.	#5 Cont.
38	PALABIN LILAC	Syringa meyeri	24" Hgt.	#5 Cont.
62	DENSE YEW	Taxus m. 'densiformis'	24" Hgt.	B&B
340	DWARF FOUNTAIN GRASS	Pennisetum alopecuroides		#2 Cont.