MULTIMODAL ACCESS CLOSURE EXCEPTION APPLICATION FORM AND CHECKLIST

Submittal Date: 9/24/2025	☑ New Submittal ☐ Re-Submittal No:
Related Building Permit No:	
Project Name: Port Drive - Stormwater System	n Improvements
Street Name Location: Port Drive	
Between: 113 Port Drive	And: 611 Westchester Drive
Applicant Name: Walker Building Group	
Address: 2617 Locust Street	
Phone: 615-829-1276 Fax:	Contact:Eric Ricker
Email: Ericker@walkerbuildinggroup.com	
Project Description: Removal of 50LF double	e barrel 66" CMP and Replacing it with a
42LF Box Culvert	
Start Date: 10/13/2025 End Date: 11/	
Describe Type of Closure: 24 Hour Full Road	Closure during Removal of double barrel CMP
and replacing it with a new Box Culvert span acre	
• •	ompleted without closures and what other
	nts as needed): Excavation to demo the double
barrel CMP and install the new Box will be 28ft v	vide. We would not be able to span that width
with steel street plates.	

PROJECT INFORMATION CHECKLIST:

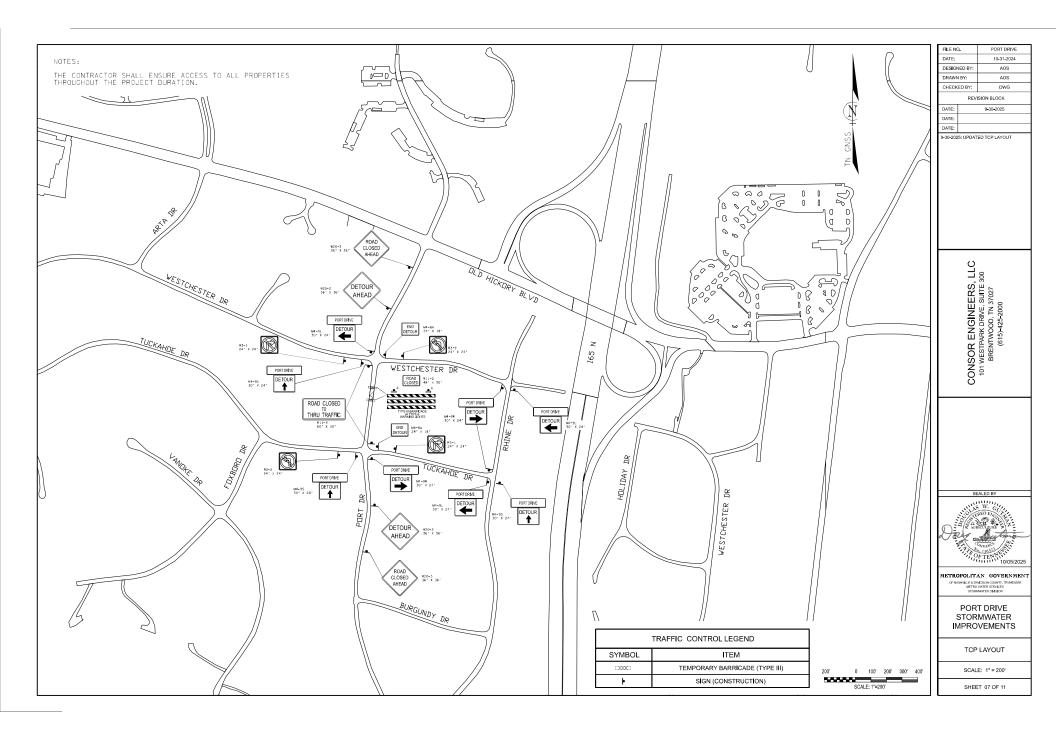
Included Not Applicable

\square	Project Vicinity Map with Project Area shown, street names,
,	property information, existing pavement and striping, gutter and building locations, north arrow, and scale.
\square	Planned work hours included.
M	Exact location and dimensions of the construction work zone shown.
	If multiple phases are necessary, include perimeter impact of each phase, phase number, anticipated work hours and phase duration.
	Details on construction activity and equipment being used as part of construction included for each phase.
	Specify if any on-street parking, and/or metered parking, is to be restricted and if bus zone will need to be relocated.
	Specify if trash pickup will be impacted.
M	Provide information on all utility work and utility connections.
	List all affected residents, businesses, agencies, and schools and any conversations/agreements taken place.
	Show ongoing construction projects within vicinity of proposed project impact.
M	Provide plan to address conflicts with other nearby projects.
M	Provide traffic control plan for each phase of construction (see traffic control checklist for more information).
M	Provide information on work vehicle parking locations.
	Show construction trucks ingress/egress to project location.
A	Provide information on any traffic signals, traffic signal loops, and traffic signal cabinets in close proximity to project.

TRAFFIC CONTROL PLAN CHECKLIST:

Included Not Applicable

	All temporary traffic control plans shall be designed in accordance with the most recent ADA regulations and requirements of the Manual of Uniform Traffic Control Devices.
	Clearly show the locations of all existing signs (including speed limit) as well as the proposed signs for each construction phase.
M	Show the location of all existing pedestrian paths and pedestrian detour route of each stage of construction.
	Show dimensions of travel lane width, shoulder width, sidewalk of each phase, and overall roadway width along the length of affected area.
M	Show all existing striping and markings to remain, to be removed, and all proposed striping and markings for each construction stage.
	Provide detour plan clearly showing detour route for any roadway or pedestrian/bike path closures.
	Specify placement of all temporary traffic control devices.
	Specify spacing of all temporary traffic control devices.
	Show all existing traffic signals and streetlights in the work zone location.
A	Lighting provided for all pedestrian detour routes.
M	Provide minimum eleven (11) foot travel lanes at all times.
7	Show size, height, and location of all channelizing devices, warning lights, flag trees, barriers, etc.
\mathbf{A}	Label all taper lengths and widths.
\square	Provide locations of police officers for each phase as needed.
M	Temporary Traffic Control Plan has been stamped and signed by a TN licensed Civil Engineer.



METROPOLITAN GOVERNMENT OF NASHVILLE AND DAVIDSON COUNTY, TENNESSEE DEPARTMENT OF WATER AND SEWERAGE SERVICES

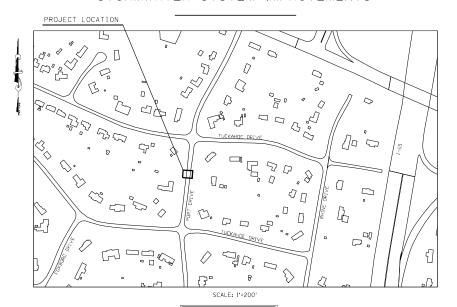
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SHEET NO.	SHEET NAME
01	TITLE SHEET & INDEX
02	GENERAL NOTES
03	PRESENT LAYOUT AND DEMOLITION I
04	PROPOSED LAYOUT
05	PROPOSED PROFILE
06	EPSC LAYOUT
07	TRAFFIC CONTROL PLAN
08	MWS UTILITY NOTES AND DETAILS
09	MSUD UTILITY NOTES AND DETAILS
10	UTILITY LAYOUT
11	STANDARD DETAILS

INDEX

DAVIDSON COUNTY DISTRICT 03

PORT DRIVE STORMWATER SYSTEM IMPROVEMENTS



FREDDIE O'CONNELL

METROPOLITAN MAYOR

SCOTT A. POTTER

DIRECTOR OF WATER & SEWERAGE SERVICES

MWS PROJECT NUMBERS: 24-SWC-140

ENGINEERING BY - METROPOLITAN DEPARTMENT OF WATER AND SEWERAGE SERVICES

> STORMWATER DIVISION 1600 SECOND AVENUE NORTH NASHVILLE, TN 37208

PREPARED BY:

CONSOR ENGINEERS. LLC 101 WESTPARK DRIVE, SUITE 300, BRENTWOOD, TN 37027

> (615) 425-2000 SHEET NO. 01 OF 11

UNLESS OTHERWISE NOTED, ALL CONSTRUCTION SHALL CONFORM TO THE CURRENT REQUIREMENTS OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION (TDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. TDOT DESIGN STANDARDS AND STANDARD DRAWINGS, METROPOLITAN DEPARTMENT OF PUBLIC WORKS DETAILS AND SPECIFICATIONS, AND METROPOLITAN DEPARTMENT OF WATER SERVICES DETAILS AND SPECIFICATIONS

GENERAL NOTES:

- UNLESS OTHERWISE NOTED, ALL CONSTRUCTION SHALL CONFORM TO THE CURRENT REQUIREMENTS OF TENNESSEE DEPARTMENT OF TRANSPORTATION (TDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION, METROPOLITAN DEPARTMENT OF WATER AND SEWERAGE SERVICES STORMWATER MANAGEMENT MANUAL, AND NASHVILLE DEPARTMENT OF TRANSPORTATION SPECIFICATIONS AND DETAILS, AND METRO WATER SERVICES SPECIFICATIONS AND DETAILS FOR WATER AND SEWER CONSTRUCTION.
- 2. WATER LINE LOCATIONS WERE ESTIMATED FROM MALVE BOXES AND WATER METERS LOCATED BY SURVEYORS AND FROM BASE MAPPING PROVIDED BY MADISON SUBJERBA UTILITIES DISTRICT. WATER LINES MAY BE LOCATED BY TENNESSEE ONE CALL PRIOR TO THE SURVEY IN SOME CASES. WATER LINES THAT WERE LOCATED BY TENNESSEE ONE CALL PRIOR TO THE SURVEY IN SOME CASES. WATER LINES THE LOCATION BY THE LOCATION BY THE PROVIDED THE EXISTING A CONSTANT SLOPE FROM THE UPSTREAM MANHOLE TO THE DOWNSTREAM MANHOLE. THE LOCATION OF SANTRAY SERVICE LINES WERE ESTIMATED FROM ASPILLT DRAWNOS PROVIDED BY MAY, AND CLEAN-OUTS LOCATED BY THE SURVEYORS, IF PRESENT. USE APPROXIMATE LOCATION OF SEVER SERVICE LINES AS GUIDANCE ONLY. LOCATION MAY OR MAY NOT BE ACCURATE. ADDITIONAL SERVICE LINES MAY BE PRESENT. THE CONTRACTOR IS RESPONSIBLE FOR LOCATION ALL UTILITIES AND PROTECTING UTILITIES PROPOSED TO REMAIN, CONSOR ENGINEERS, LLC ASSUMES NO RESPONSIBLITY FOR ACCURACY OR COMPLETENESS OF THIS INFORMATION. REPAIRS ANDION REPLACEMENTS TO ANY UTILITIES DAMAGED BY CONSTRUCTION SHALD BETTHE RESPONSIBLITY OF THE CONTRACTOR ADMINISTRACTION.
- THE CONTRACTOR SHALL USE TRAFFIC CONTROL METHODS AS APPROVED BY THE TENNESSEE DEPARTMENT OF TRANSPORTATION, THE NASHMILLE DEPARTMENT OF TRANSPORTATION, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MULT.C.).
- THE CONTRACTOR SHALL COORDINATE, KNOW, AND HAVE WORK SCHEDULED FOR ALL
 APPLICABLE UTILITY RELOCATIONS PRIOR TO PROJECT WORK BEGINNING. THE CONTRACTOR
 SHALL NOTIFY THE CONSTRUCTION MANAGER OF SCHEDULE.
- THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION AND NOTIFY OWNER'S REPRESENTATIVE OF DIFFERING CONDITIONS PRIOR TO PROCEEDING WITH WORK.
- THE CONTRACTOR SHALL REPAIR ALL DAMAGE TO STREETS, YARDS, MAILBOXES, FENCES, SIGNS, DRIVEWAYS, TREES, LANDSCAPING, IRRIGATION SYSTEMS, ETC, AT NO ADDITIONAL COST TO OMNIED
- ALL DRIVEWAY REPAIRS SHALL MATCH EXISTING DRIVEWAYS IN WIDTH, DEPTH, AND MATERIAL UNLESS OTHERWISE SPECIFIED.
- 8. ALL PROPOSED ASPHALT TO GRADE TO NEW INLET(S).
- EROSION AND SEDIMENT (E&S) CONTROL MEASURES TO BE INSTALLED PER METROPOLITAN GOVERNMENT OF NASHVILLE AND DAVIDSON COUNTY BEST MANAGEMENT PRACTICES (BMP). LATEST EDITION.
- ONCE WORK HAS STARTED, THE CONTRACTOR SHALL PURSUE WORK DILIGENTLY UNTIL COMPLETE.
- 11. AREAS DESIGNATED FOR MILLING (COLD PLANING) SHALL BE SAW CUT TO A DEPTH OF TWO INCHES (2"). ALL OTHER JOINTS SHALL BE SAW CUT TO FULL DEPTH (ASPHALT AND CONCRETE) UNLESS OTHERWISE SHOWN ON THE PLANS OR CONTRACT DOCUMENTS.
- 12. THE UNIT PRICE BID FOR EACH ITEM SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS, AND ALL APPURTENANCES NECESSARY FOR A COMPLETE INSTALLATION OF THE ITEMS SHOWN ON THE PLANS, IN THE DETAILS AND TYPICAL SECTIONS, AND AS CALLED OUT IN THE STANDARDS AND SPECIFICATIONS.
- 13. ALL PIPE SHALL BE BACKFILLED WITH #57 OR #67 CRUSHED STONE WHEN UNDER ANY PAVED OR RIGID SURFACE, PER METRO STANDARD DETAIL DR-180, DR-270ab, DR-271ab, ANDIOR ST-272 AS APPLICABLE, WHEN NOT UNDER PAVEMENT, ALL PIPE SHALL BE BACKFILLED WITH #57 OR #67 CRUSHED STONE TO AT LEAST SIX INCHES (6") ABOVE THE PIPE, PER METRO STANDARD DETAIL DR-180.
- 14. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY ARRANGEMENTS MADE WITH PROPERTY OWNERS THAT ARE ADJACENT TO ANY PROPOSED WORK, THIS INCLUDES ARRANGEMENTS FOR UTILIZING PRIVATE PROPERTY FOR STORAGE (EQUIPMENT OR EXCAVATED MATERIALS), PARKING AREA, OR ACCESS, ALL COSTS ASSOCIATED WITH THIS WORK WILL NOT BE PAID FOR.
- 15. THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN ACCESS TO RESIDENCES AND BUSINESSES, AND SHALL BE REQUIRED TO KEEP ONE (1) LANE OF TRAFFIC OPEN AT ALL TIMES FOR THRU TRAFFIC AND EMERGENCY VEHICLES/EQUIPMENT.
- 16. THE CONTRACTOR SHALL ASSURE THAT ALL SERVICES THROUGH THIS CONTRACT SHALL BE COMPLETED IN FULL COMPLIANCE WITH AMERICANS WITH DISABILITIES ACT (ADA) STANDARDS FOR ACCESSIBLE DESIGN, LATEST EDITION, AS HAS BEEN ADOPTED BY METRO.
- 17. METRO WATER SERVICES WILL RETAIN OWNERSHIP OF ALL EXISTING DRAINAGE STRUCTURE
 GRATES THAT ARE NOT BEING UTILIZED FOR THE PROPOSED CONSTRUCTION, THE CONTRACTOR
 SHALL DELIVER THE GRATES TO MWS STORMWATER MAINTENANCE YARD, 1607 COUNTY
 HOSPITAL ROAD CONTACT IN FEFTIN AT 615-862-416 FOR ACCESS AND SCHEDIN ING DELIVERY.

- 18. THE CONTRACTOR SHALL OBTAIN ALL APPLICABLE PERMITS NEEDED FOR WORK, EXCAVATION, ROAD CLOSURE, ETC, FROM THE NASHVILLE DEPARTMENT OF TRANSPORTATION. THE CONTRACTOR WILL BE REIMBURSED FOR NDOT PERMIT FEES, ALL WORK SHALL CONFORM TO THE MOST CURRENT NDOT REQUIREMENTS AND SPECIFICATIONS FOR RAVEMENT REPLACEMENT, PATCHING, REFER TO METRICPOLITAN GOVERNMENT OF NASHVILLE AND DAVIDSON COUNTY STANDARD DETAILS ST-270ab ANDIOR ST-271ab. ALL DRIVEWAY RAMPS, SIDEWALKS, SIDEWALK RAMPS, AND ROADWAY PAVEMENT REPLACEMENT WILL BE INSPECTED BY NDOT DURING AND AFTER CONSTRUCTION. IF THE NDOT INSPECTOR DETERMINES THAT CONSTRUCTION DOES NOT MEET CURRENT NDOT SPECIFICATIONS, THE CONTRACTOR SHALL DEMOLISH AND REPLACE ALL NON-COMPLIANT CONSTRUCTION ADD ADDITIONAL COST TO METRO WATER SERVICES.
- 19. WHERE APPLICABLE, CONSTRUCTION SHALL CONFORM TO TDEC AQUATIC RESOURCE
- THE CONTRACTOR SHALL NOTIFY METRO WATER SERVICES CONSTRUCTION MANAGER OF ALL
 WATER LINE AND SANTRAY SEWER RELOCATIONS, THE CONSTRUCTION MANAGER WILL
 COORDINATE PRE-CONSTRUCTION MEETINGS, ETC, AS NEEDED.
- 21. PLACEMENT OF SEED, MULCH, SOD, MATTING, AND TOPSOIL OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY AND EASEMENTS, ON PRIVATE PROPERTY, WILL NOT BE PAID FOR SEPARATELY. ALL COSTS ASSOCIATED WITH PLACEMENT OF THESE ITEMS ON PRIVATE PROPERTY, FOR ACCESS OF WORK AREA, OR MATERIAL STORAGE SHALL BE BORNE BY THE CONTRACTOR.
- 22. FOR BIDDING PURPOSES, THE CULVERT LENGTHS SHOWN ON THE PLANS ARE FROM CENTER TO CENTER OF STORM STRUCTURES, AND TO THE INLET OR OUTLET END OF PIPES WITH HEADWALLS, ACTUAL LENGTHS MAY BE SHORTER THAN DEPICTED ON THE PLANS, THE CONTRACTOR SHALL VERIFY REQUIRED LENGTHS WITH CONSTRUCTION MANAGER PRIOR TO PIPE INSTALLATION, PAYMENT WILL BE MADE FOR THE LINEAR POOT OF CULVERT INSTALLED AND ACCEPTED. THE GROUTING OF THE ANNULUS AROUND ALL PIPE PENETRATIONS SHALL BE AN INCIDENTAL COST.
- 23. THE CONTRACTOR SHALL HAVE PROPERTY LINES AND EASEMENTS (EXISTING AND PROPOSED) LOCATED AND STAKED BY A LICENSED SURVEYOR PRIOR TO BECINNING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR HAVING A LICENSED SURVEYOR LAY OUT PROPOSED STRUCTURES. RETAINING WALLS, AND DITCH LINES: LAY OUT GRADE OR ALIGNMENT SENSITIVE CONSTRUCTION ITEMS. RELOCATE ANY PROPERTY BOUNDARY FRON PINNS OR MONUMENTS THAT ARE DISTURBED DURING CONSTRUCTION: GENERATE STAMPED AS-BUILT DRAWING(S): REPLACEMENT OF DISTURBED IRON PINN SANIDIOR MONUMENTS: AND SUBMISSION OF STAMPED AS-BUILT DRAWING(S) BEFORE FINAL PAYMENT TO THE CONTRACTOR IS ISSUED. THE CONTRACTOR SHALL SUBMIT AS-BUILT DRAWINGS, SEALED BY A LICENSED SURVEYOR IN ADOBE (POF) FORMAT AND A DRAWING RILE IN AUTOCAD (DIVE), VERSION 2016 (OR EARLIER) FORMAT. ALL WORK PERFORMED BY THE LICENSED SURVEYOR SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR CONSTRUCTION STAKE, LINE, AND GRADE.
- 24. ALL CONSTRUCTION SHALL BE IN COMPLIANCE WITH 29 CFR PART 1926, SUBPART P- EXCAVATIONS (LATEST EDITION).
- 25. ALL DRAINAGE STRUCTURES, BOX BRIDGES, BOX CULVERTS, RETAINING WALLS, AND OTHER MAJOR STRUCTURES SHALL BE DONE BY THE CAST-IN-PLACE METHOD, SHOULD THE CONTRACTOR ELECT TO USE PRE-CAST METHOD, THE CONTRACTOR SHALL BEAR ALL MODIFICATION/ADJUSTMENT/RELOCATION COSTS INCURRED FOR A COMPLETE INSTALLATION. THE GROUTING OF THE ANNULUS AROUND ALL PIPE PENETRATIONS SHALL BE AN INCIDENTAL COST.
- 26. ALL COSTS (INCLUDING LABOR, MATERIAL, EXCAVATION, INCIDENTALS, AND EQUIPMENT) NECESSARY TO PERFORM THE WORK AS SHOWN AND DESCRIBED IN THE DRAWINGS, STANDARD DETAILS, AND SPECIFICATIONS FOR WHICH A SEPARATE PAY ITEM IS NOT INCLUDED SHALL BE MERGED INTO PAY ITEMS SHOWN.
- 27. ALL MAJOR DRAINAGE STRUCTURES WILL REQUIRE QUALITY ASSURANCE AND QUALITY CONTROL (QAIQC) NACCORDANCE WITH TOOT STANDARD SPECIFICATIONS FOR ROOD AND BRIDGE CONSTRUCTION (CURRENT EDITION), PART 6, SECTION 60.4. A MAJOR DRAINAGE STRUCTURE, FOR THIS PURPOSE, WILL BE DEFINED AS ANY STRUCTURE REQUIRING RENFORCING STEEL, THIS WILL INCLIDE ALL BOX CULVERTS, SLAB BRIDGES, RETAINING WALLS, VERTICAL WALLED CHANNELS, INLETS, JUNCTION BOXES, AND HEADWALLSIENDWALLS FOR PIPE DIAMETERS 2 FORTY-EIGHT INCHES (48). CONSTRUCTION TIEMS REQUIRING WELDED WIRE FABRIC, SUCH AS SIDEWALKS AND SWALES, WILL NOT REQUIRE QUALITY CONTROL FIELD TESTING, THE CONTRACTOR WILL BE FULLY RESPONSIBLE FOR RETAINING AND APPROVED INDEPENDENT TESTING LABORATORY TO PERFORM ALL REQUIRED CONCRETE STRENGTH AND FIELD TESTING AND FOR SUBMITTING THE RESULTS OF SUCH TESTING TO THE CONSTRUCTION MANAGER.
- 28. ALL PRECAST DRAINAGE STRUCTURES SHALL BE IN ACCORDANCE WITH THE CURRENT TDOT SOP 5-3, MANUFACTURE AND ACCEPTANCE OF PRE-CAST DRAINAGE STRUCTURES, NOSE WALL PANELS, AND EARTH RETAINING WALL PRODUCTS FOR QUALITY AND ASSURANCE PURPOSES ONLY. NOTE THAT ALL PRE-CAST DRAINAGE STRUCTURES SHALL HAVE A "OC" STAMP OR ETCHING ON PRODUCT, ALL PRODUCTS USED SHALL BE ON THE CURRENT TDOT QUALIFIED PRODUCT LIST (QPL), LOCATED AT http://www.in.gov/ibd/orbjo/cqualified-products. THE PRODUCERS AND/OR SUPPLIERS SHALL BE ON THE CURRENT TDOT PRODUCER/SUPPLIER REPORT LOCATED AT https://www.indoi.ngov/ibd/orbjo/cqualified-products. THE PRODUCERS AND/OR SUPPLIERS SHALL BE ON THE CURRENT TDOT PRODUCER/SUPPLIER REPORT LOCATED AT https://www.indoi.ngov/ibd/orbjo/cqualified-products.

29. TREE REMOVALS FOR LINEAR STORMWATER PROJECTS SHALL BE AT A TWO TO ONE REPLACEMENT RATIO. THIS POLICY WILL NOT APPLY TO THE REMOVIAL OF TREES THAT ARE DEAD. DISEASED, INVASIVE, POTENTIALLY HAZARDOUS, BRADFORD PEAR (PYRUS CALLERYANA), OR ASH (FRAMPUS) SPECIES, TREES THAT CANNOT BE PLANTED NEAR THE REMOVAL SITE CAN BE PLANTED AT AN ALTERNATE LOCATION APPROVED BY MWN, HACKBERRIES WILL BE REPLACED ON A ONE TO ONE BASIS, REPLACEMENT TREES SHALL BE AT LEAST ONE INCH DIAMETER AT BREAST HEIGHT (DIB) AND SIX FEET IN HEIGHT FOR CANOPY SPECIES, DOWNWARD ADJUSTMENTS CAN BE MADE FOR UNDERSTORY AND ORNAMENTAL TREES, SUCH TREES SHOULD BE CHOSEN FROM THE URBAN FORESTRY RECOMMENDED LIST

(https://www.nashville.gov/Codes/Land-Use-and-Zoning-Information/Urban-Forestry/ Tree-and-Shrub-List) AND SHALL BE OF A FORM AND QUALITY SET OUT IN THE AMERICAN STANDARD FOR NURSERY STOCK (ANS) 250.1, LATEST EDITION,

NASHVILLE DEPARTMENT OF TRANSPORTATION GENERAL NOTES:

- 1. ALL ASPHALT ROADWAY REPAIRS SHALL INCLUDE FULL LANE WIDTH RESURFACING.
- 2. ALL ASPHALT ROADWAY REPAIRS SHALL UTILIZE A 2-FOOT CUTBACK ON ALL SIDES EXCEPT THE
- NEW UTILITY CUTS WILL BE MILLED AND PAVED TO ANY EXISTING UTILITY CUT OR DAMAGED PAVEMENT WITHIN 10 FEET. IF THE EXISTING CUT OR DAMAGED PAVEMENT IS LESS THAN 10 FEET. IN LENGTH, THE EXISTING CUT SHALL ALSO BE MILLED AND PAVED.
- ASPHALT REPAIR GREATER THAN 24-INCHES, ADJACENT TO CURB & GUTTER ALONG A ROADWAY SHALL HAVE FULL LANE WIDTH PAVING.
- FLOWABLE FILL IS REQUIRED ON ALL DOWNTOWN STREETS, COLLECTORS, AND ARTERIAL STREETS. FLOWABLE FILL MAY ALSO BE REQUIRED ON OTHER STREETS AT THE DISCRETION OF THE UTILITY INSPECTORS.
- 6. ALL REPAIRS WILL HAVE A 1-YEAR WARRANTY.
- PERMIT OFFICE WILL NEED TO BE NOTIFIED WHEN REPAIRS ARE FINISHED TO START WARRANTY PERIOD
- SEE NDOT STANDARDS 270 THROUGH 275. IF ANY CUTS ARE MADE IN THE ROADWAY, THE UTILITY
 CUT GUIDELINES MUST BE FOLLOWED. UTILITY CUT GUIDELINES CAN BE FOUND IN THE PERMIT
 OFFICE OR AT WWW.MPW.NASHVILLE.COVIMS/PAYING/DOCUMENTS/APPENDIX. D.PDF.

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DRAWN BY:	AOS
CHECKED BY:	DWG

	REVISION BLOCK
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DATE:	
DATE:	

CONSOR ENGINEERS, LLC 101 WESTPARK DRIVE, SUITE 300 BRENTWOOD, TN 37027 (615)-425-2000

Service Servic

METROPOLITAN GOVERNMENT

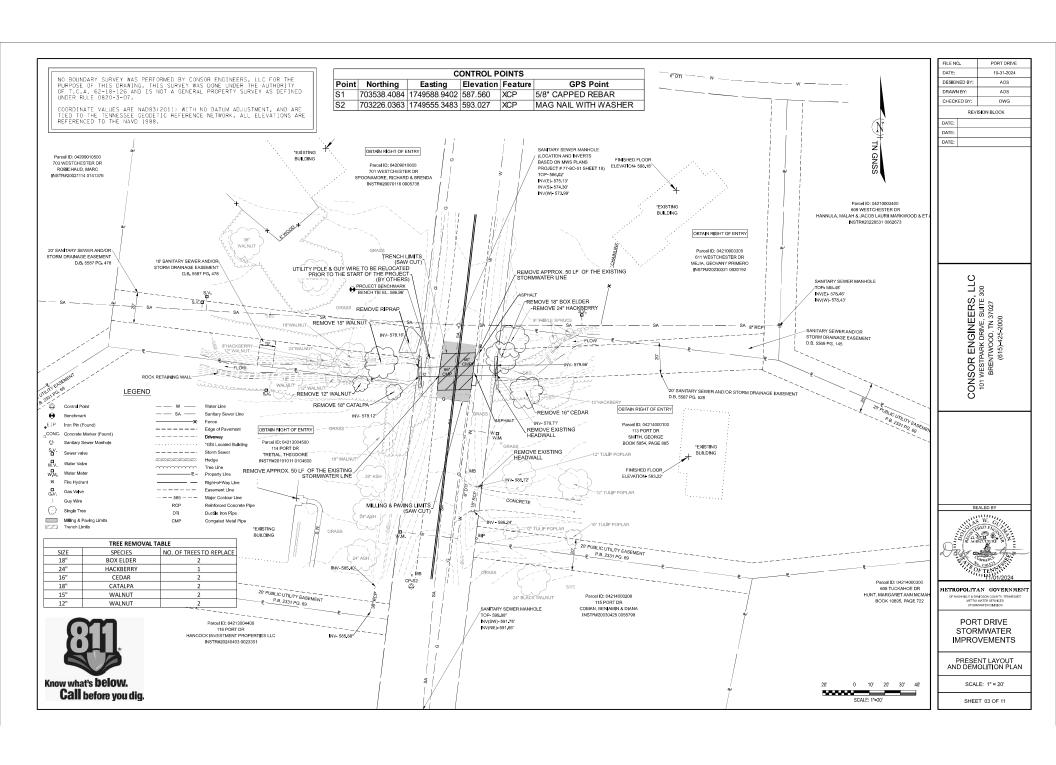
OF NASHVILLE 8 DAVIDSON COUNTY, TENNESSEE
METRO VATER SERVICES
STORMWATER DIVISION

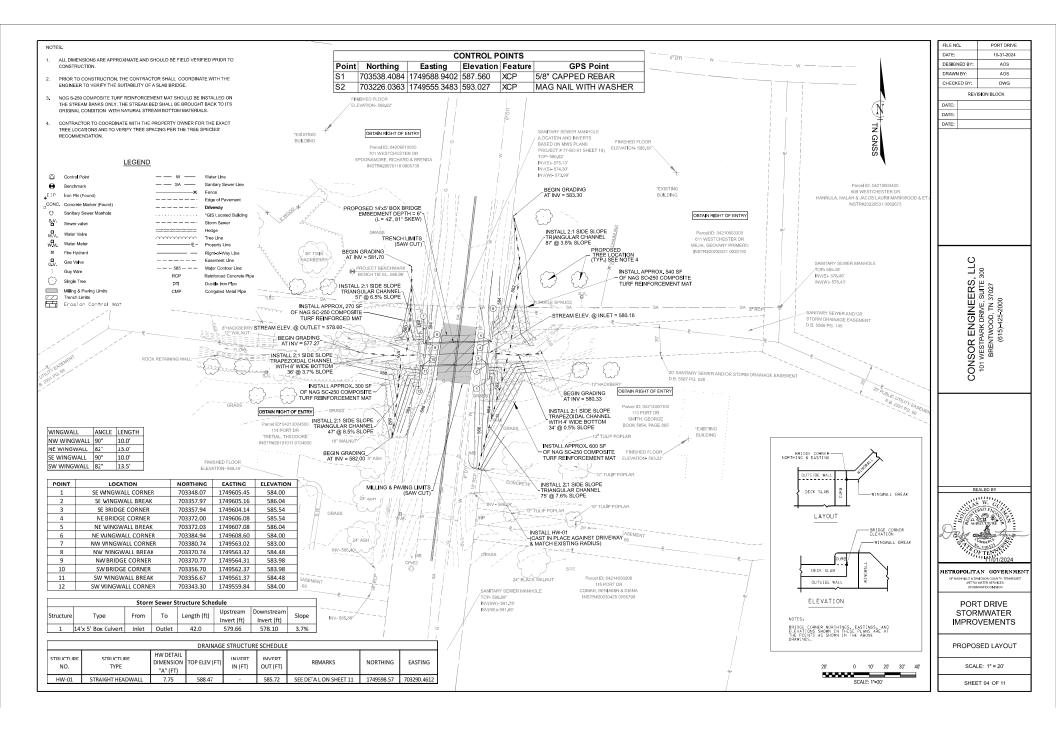
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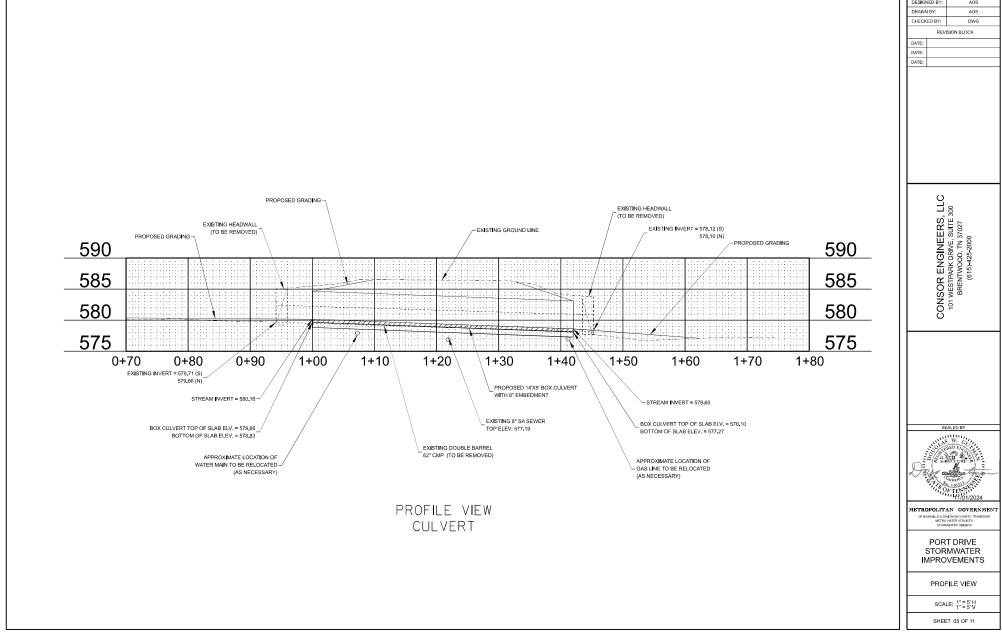
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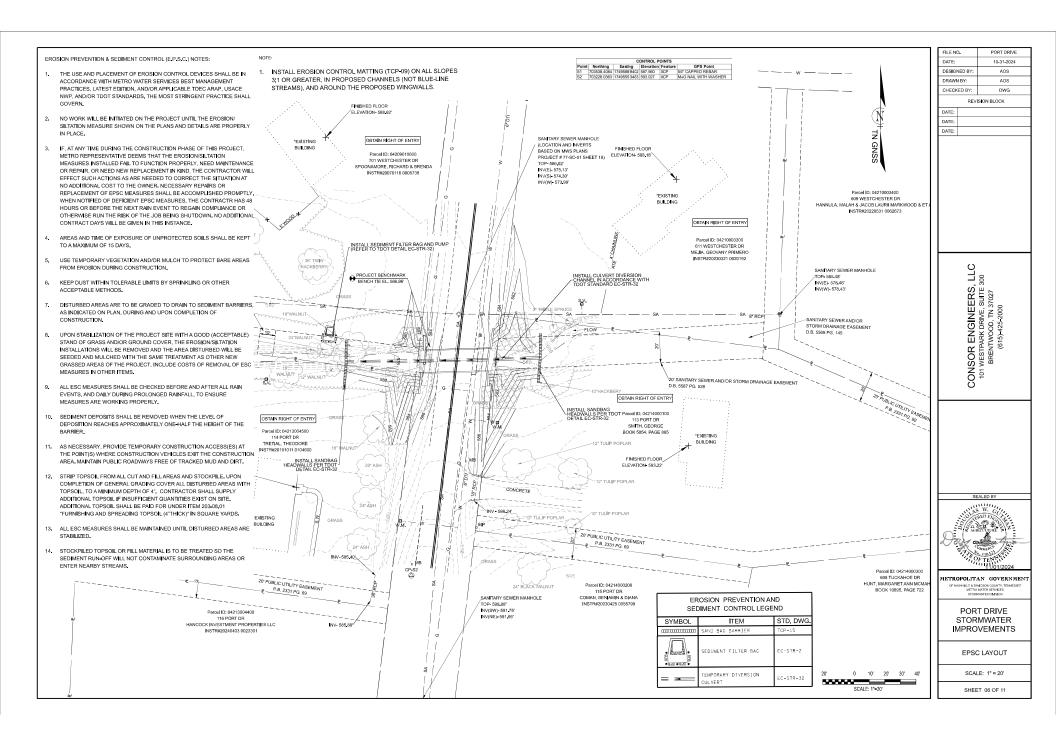
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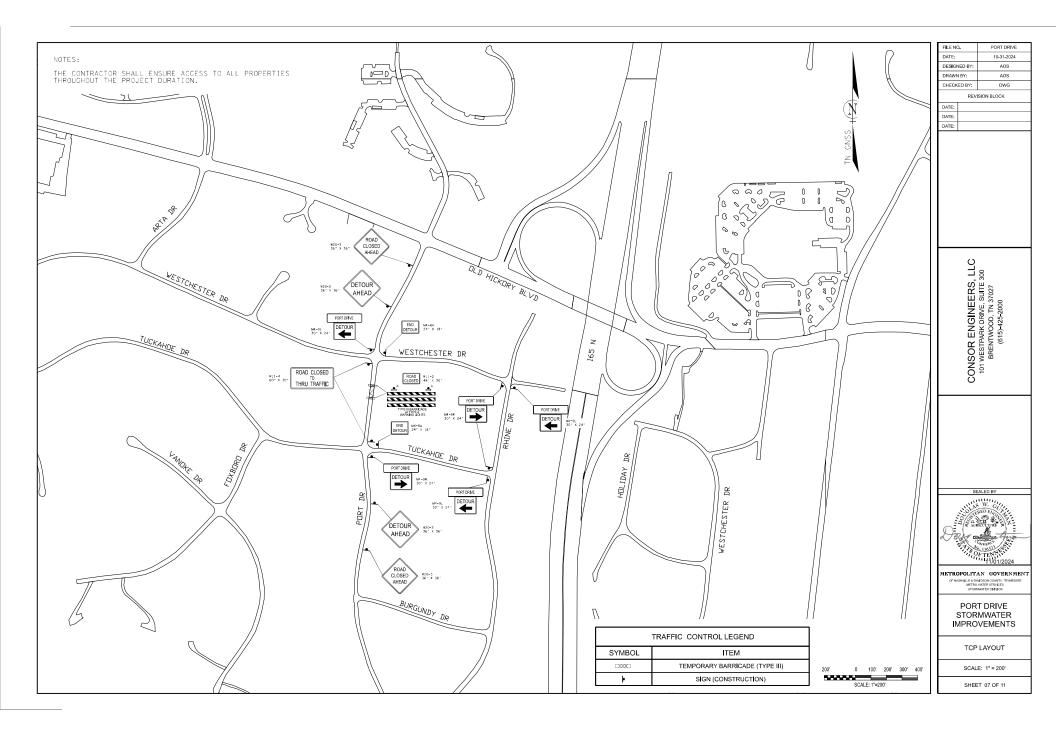






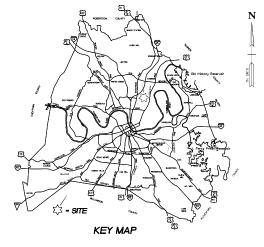
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GENERAL NOTES:

- All sewer construction shall conform to the current standard specifications and details of the Metropolitan Government of Nashville and Davidson County Department of Water and Sewerage Services (MWS).
- The Contractor shall obtain and comptly with all necessary standards and permits from any federal, state, and/or local authority having jurisdiction over any phase of construction
 associated with the project.
- The types and locations of existing utilities shown on the drawings are approximate and shall be independently verified by the Contractor. The Contractor shall be responsible for the location and preserving existing utilities prior to and during construction. Repairs or replacements to any MWS utility damaged by construction activities shall be the responsibility of the Contractor with no additional pawment allowed.
- 4. The Contractor shall bring to the attention of MWS and document any pre-existing damage or conditions prior to beginning work. Repairs or replacements to any items damaged by water and sewer construction activities shall be the responsibility of the Contractor with no additional payment allowed.
- Maintain proper vertical and horizontal separation between water and sanitary sewer mains. For more information, see TDEC Design Criteria for Sewage Works Section 2.4.1.2
 Relation to Water Mains & Community Public Water Systems Design Criteria Section 9.2 Separation of Water Mains and Sewers. When a conflict exists and proper separation is not attainable, the Contractor shall coordinate with WMS for the necessary measures to ensure system integrity.
- 6. The Contractor shall verify the size and material for each water service line and reconnect all live water services, whether indicated on the drawing or not, per MWS.
- 7. Water service lines 2-1/2 inches in diameter and smaller shall be replaced from the water main to the meter with cooper.
- 8. Water service lines greater than 2-1/2 inches in diameter shall be replaced from the water main to the property line valve or meter with ductile iron pipe.
- 9. Contact MWS if lead services are discovered. The Contractor shall follow the current MWS lead service replacement procedure. This may cause some delays and additional coordination. Replacement of lead service lines until the protocol can be coordinated with the customer.
- 10. When existing meter boxes require adjusting and/or relocating, water meters and shutoffs shall be a minimum of 24" not to exceed a maximum of 32" below finished grade.
- 11. The Contractor is responsible for notifying MWS Inspection personnel prior to any work or connections being conducted on the MWS System.
- 12. The Contractor shall not operate any valves on the existing water system and/or water mains placed in service without prior approval and only under the supervision of MWS. Operating valves shall be scheduled in writing by the Contractor and must be approved in advance by MWS.
- 13. Metro Water Services will make every reasonable effort to isolate and shut down the flow of water when required for the work; however, there may be circumstances that prevent timely water shut downs such as: faulty valves, water main breaks, lack of forces due to higher priority situations, etc. The cost for Contractor standby time due to these types of delays is considered includental and should be incorporated into the price of other told items with no additional payment allowed.
- 14. The Contractor shall not make connections to the existing water system until applicable tests, including: disinfection, hydrostatic, etc., have been performed and reported to MWS and found to be in compliance. Reduced Pressure Backflow Prevention Devices (RPBP) or dual check valves will be required on all test and fill lines needed for water main construction and must be acrowed by MWS.
- 15. All pipe, pipe fittings, plumbing fittings, and fixtures including, but not limited to, coated or uncoated brass or bronze materials that could come in contact with drinking water schall be in accordance with the 2011 reduction of lead in drinking water act that amends the Safe Drinking Water Act, Section 1417 effective January 4, 2014. The following internet link provides (thrift chaffidiation and direction on the requirement: hit/precise ass_accordable_bidfor(000rd.z.dd.)
- 16. If a water main, or other MWS system component, requires relocation or addition and is not indicated on the approved drawings, the Contractor shall notify MWS immediately, Prior to relocation, the drawings shall require: modification depicting the relocation, approval from a registered professional engineer and the appropriate regulatory agencies, and a MWS based profet number assistanced.
- 17. If a water service line is disconnected, the proper MWS disinfection protocol shall be implemented prior to the service line being reconnected to the existing water system.
- 18. No discharge of wastewater or debris shall be released to the environment. Should the Contractor's actions cause an overflow or bypass of wastewater to the environment, site deanup will be the responsibility of the Contractor consistent with MWS' Spill and Overflow Response Plan.
- 19. Prior to implementing the plugging of any line, bypass pumping, or similar actions, the Contractor shall provide a detailed plan of approach to MWS for review and comment, MWS approval of any such plan does not relieve the contractor of the responsibility for the adequacy of the plan or proper execution.
- The Contractor shall complete all work in full compliance with the Metro Stormwater Management Regulations, so as to create no stormwater quality or quantity compliance issues.
 Illicit discharges of pollutants, either direct or indirect, to a storm sewer, stormwater conveyance, or stream within Metro Nashville Davidson County are prohibited, per Metro ordinance 15.64.205 (Non-Stormwater Discharges).



CONSTRUCTION DETAILS:

Contractor shall comply with all applicable and current MWS details located on the webpage. See Approved Construction Specifications and Details: (https://www.nashville.gov/Water-Services/Developers/Water-and-Sewer.aspx)

Applicable details of note for this project include:

Sewer Details

- SDET006 (Concrete Encasement)

NOTE:

See Sheet 09 for notes and details for the water utilities which belong to Madison Suburban Utility District.

			UTILITY OWNERS		
WATER:	SANITARY SEWER:	STORM WATER:	STREETS:	NASHVILLE CEPT. OF	ADA:
MADISON SUBURBAN UTILITY DISTRICT	METRO WATER & SEWER	METRO WATER & SEWER	NASHVILLE DEPT. OF TRANSPORTATION	TRANSFORTATION:	ADA COMPLIANCE DIVISION
108 WEST WEBSTERSTREET	1600 2nd AVENUE NORTH	1600 2nd AVENUE NORTH	740 SOUTH 5TH STREET	750 SOUTH 5TH STREET	730 2ND AVE S
MADISON, TN 37115	NASHVILLE, TN 37208	NASHVILLE, TN 37208	NASHVILLE, TN 37206	NASHVILLE, "N 37206	NASHVILLE, TN 37210
CONTACT PERSON:	CONTACT PERSON:	CONTACT PERSON:	CONTACT PERSON:	CONTACT PERSON:	CONTACT PERSON:
CINDY ELLIS	MICHAEL MORRIS	RICKY SWIFT	MIKE DAVIS	RORY ROWAN	JERRY HALL
(615) 868-3201	(615) 862-4570	(615) 862-4784	(615) 862-8760	(615) 862-8782	(615) 862-8744
cellis@msud.net	michael.morris@nashville.gov	ricky.swift@nashville.gov	mike.davis@nashville.gov	rory.rovan@nashville.gov	jerry.hall@nashville.gov
TELEPHONE:	ELECTRIC:	SAS:	CABLE:	FIBER:	TELECOMMUNICATIONS:
AT&T	NASHVILLE ELECTRIC SERVICE	PIEDMONT GAS	COMCAST	GOOGLI FIBER	VERIZON
333 COMMERCE ST., 23RD FLOOR	1214 CHURCH STREET	33 CENTURY BLVD	660 MAINSTREAM DRIVE	1101 MCGAVOCK STREET, STE 200	101 MOLLOY STREET
NASHVILLE, TN 37201	NASHVILLE, TN 37203	NASHVILLE, TN 37214	NASHVILLE, TN 37228	NASHVILLE. TN 37203	NASHVILLE, TN 37201
CONTACT PERSON:	CONTACT PERSON:	CONTACT PERSON:	CONTACT PERSON:	CONTACT PERSON:	CONTACT PERSON:
WILL DAVENPORT	JON SIPES	DON LAMONT NEVILS	GARY MCKINNEY	RICK BCLTON	DEREK DEE
(615) 801-6960	(615) 747-2530	615) 335-7929	(615) 244-7462 EXT. 1115332	(629) 888-2258	(615) 919-5470
wd5635@att.com	isipes@nespower.com	don.nevils@duke-energy.com	NAS-NashvilleConstructionBetterments@comcast.com	gfiber-tna-relocations@google.com	derek.r.dee@verizon.com
WG3033@att.com	Jaipes@ilespower.com	Jon. Hevils@ddke-ensigyom	NAS-NashvilleconstructionDetterments@conicast.com	griber-tria-relocations@googre.com	derek.i.dee@venzon.com

elong to Madison
Metro Water Services Nashville, TN
* Approved for Construction *
Under authority delegated by the Tennessee Department of
Environment and Conservation Division of Water Resources, this
document has been reviewed by the Department of Water and
Sewerage Services or contracted professional and is hereby
approved for construction.
This approval shall not be construed as an assurance that the
improvements depicted in the document bearing this stamp will function as intended
Public Sewer
Public Water

MWS PROJECT NUMBER: 24-SWC-140

This approval expires one year from date shown below

FILE NO. PORT DRIVE	
DATE;	10-31-2024
DESIGNED BY:	AOS
DRAWN BY:	AOS
CHECKED BY: DWG	
per delevi pi con	

	REVISION BLOCK
DATE:	
DATE:	
DATE:	
	DATE:

CONSOR ENGINEERS, LLC 101 WESTPARK DRIVE, SUITE 300 BRENTWOOD, TN 37027 (615)-425-2000



METROPOLITAN GOVERNMENT

OF NASHWILLE & DAVIDSON COUNTY, TENNESSEE
METRO WATER STRONGES
STORMANTER DIVISION

PORT DRIVE STORMWATER IMPROVEMENTS

UTILITY NOTES

SCALE: N.T.S.

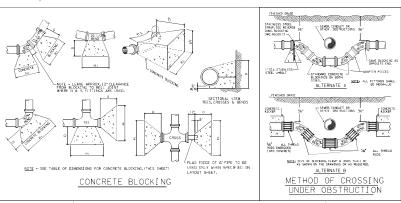
SHEET: 08 OF 11

GENERAL NOTES FOR WATER LINE CONSTRUCTION

- ALL WATER LINE CONSTRUCTION AND MATERIALS WILL BE IN STRICT COMPLIANCE WITH THE CURRENT APPROVED SPECIFICATIONS FOR THE MADISON
 SUBURBAN UTILITY DISTRICT (MSUD) AS ON FILE WITH THE TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION, DIVISION OF WATER
 GUALITY CONTROL.
- BEFORE ANY WATER LINE WORK IS INITIATED ON THIS PROJECT, THE CONTRACTOR SHOULD CONTACT MSUD AND SATISFY ALL REQUIREMENTS OF
 MSUD. JUPON COMPLETION OF THE WATER LINE INSTALLATION, THE CONTRACTOR WILL PERFORM A PRESSURE TEST AND DISTINECT THE LINE UNDER
 THE INSPECTION OF MSUD. THE OWNER / O'SEQUENCE SHALL BE RESPONSIBLE FOR THE COST OF REASONABLE INSPECTION FEES OF WSUD.
- ANY AND ALL FEES, LICENSES, AND PERMITS NECESSARY FOR THIS CONSTRUCTION AND ARE TO BE OBTAINED AND PAID PRIOR TO THE INITIATION
 OF CONSTRUCTION AND THE COST THEREFORE WILL BE BORNE BY THE CONTRACTOR.
- 4. MSUD WILL SUPPLY THE APPROPRIATE WATER METER(S) AND SHALL BE REIMBURSED BY THE CONTRACTOR FOR MATERIAL COSTS.
- 5. WATER LINE CONSTRUCTION IS TO BE COMPLETED BY THE CONTRACTOR EXCEPT FOR THE ACTUAL CONNECTIONS TO EXISTING WATER LINE. AT LEAST 72 HOURS PRIOR TO CONNECTING PROPOSED WATER LINE TO THE SYSTEM, THE CONTRACTOR WILL NOTIFY MSUD AND COORDINATE METHOD OF CONNECTION AND TIME TO SHUT DOWN EXISTING WATER LINE IF REQUIRED.
- 6. THE CONTRACTOR SHALL VERIFY LOCATIONS OF ALL EXISTING UTILITIES (INCLUDING STORM DRAINAGE PIPES OR STRUCTURES) BEFORE COMMUNICIPATION.
- WATER LINE MATERIAL WILL BE DUCTILE IRON PIPE, CLASS "52 WITH DUCTILE IRON FITTINGS AND DUCTILE IRON OR BRASS TAPS AS APPROPRIATE.
- 8. THE CONTRACTOR IS REQUIRED TO LOCATE ALL NEW TIE-INS, FITTINGS, VALVES, VAULTS, PRESSURE REDUCING VALVES, WATER UTILITYES OR STREAMS, CASING PIPE ENDS, CONCRETE ENCASSEMENT ENDS, AND TIEM FROM THE FOREIGN THE GLOBAL POSITIONING SYSTEM (1995). PROINTS ON THE WATER WAIR EVERY SO FEET DETWINEN THESE ITEMS SHALL ALSO BE LOCATED. ELECTRICIS AND VERSION) OF EACH OF THESE ITEMS SHALL BE OBTAINED AND PROVIDED TO THE MODISON SUBJURBAN UTILITY DISTRICT. THIS OFFS INFORMATION SHALL INCLUDE REAL TIEMS SHALL BE OBTAINED AND PROVIDED TO THE MODISON SUBJURBAN UTILITY DISTRICT. THIS OFFS INFORMATION SHALL INCLUDE REAL TIEMS SHALL OFFS INFORMATION SHALL INCLUDE REAL TIEMS SHALL BE OBTAINED AND PROVIDED TO THE MODISON SUBJURBAN UTILITY DISTRICT. THIS OFFS INFORMATION PROJECT INSPECTOR. FINAL ACCEPTANCE OF THE NEW FACILITIES BY M.S.U.D. IS CONTINGENT UPON RECEIPT OF THIS INFORMATION. TWO (2) 247 X SET HADD COPIES AND ONE (1) ELECTRONIC COPY LIMITED STATEM OF A UTILITY CLASS, INCLUDING THIS OFFS DATA, ARE TO BE PROVIDED IN S.U.D. ONCE CONSTRUCTION IS COMPLETED. THE ELECTRONIC COPY SHALL BE UTILIZED SOLELY FOR THE PURPOSE OF TRANSFERRING AS-BUILT INFORMATION ON SALTER SYSTEM DISTRIBUTION WAPS.
- 9. ALL BENDS, TEES, CROSSES, PLUGS, AND PRESSURE CONNECTIONS, ETC., SHALL BE BACKED UP AND ANCHORED WITH CONCRETE BLOCKING.
- 10. BACKFLOW PREVENTER ARE TO BE INSTALLED BY TENNESSEE CERTIFIED INSTALLERS WHO SPECIALIZE IN BACKFLOW PREVENTION, ALL INSTALLATIONS ARE TO MEET M.S.LOLD, SECURIMENTS. ALSO, THE CONTRACTOR MUST SCHEDILE A TIME FOR TESTING OF THE DEVICE WITH THE DISTRICT'S INSPECTOR BEFORE COMPLETION OF THE PROJECT. IT IS NECESSARY FOR THE CONTRACTOR TO BE PRESENT DURING THIS TEST IN ORDER TO CORRECT ANY POTENTIAL PROGLEMS PRIOR TO GOULPANCY OF THE PROPERTY.
- 11. BE SURE TO NOTIFY THE STATE, WHEN REQUIRED BY STATE REGULATIONS, BEFORE YOU BEGIN ANY WATER LINE CONSTRUCTION.
- 12. ALL VALVES SHALL OPEN BY TURNING TO THE LEFT AND BE SECURED USING MEGA-LUGS. ALL PIPE FITTINGS SHALL BE SECURED USING MEGA-LUGS.
- 13. IF STATE REVIEW AND APPROVAL REQUIRED, OWNER/DEVELOPER SHALL SUBMIT A STATE APPROVED SET OF PLANS TO M.S.U.D. A MINIMUM OF TWO
 (2) WEEKS PRIOR TO BEGINNING CONSTRUCTION. CONTRACTOR SHALL MAINTAIN A SET OF STATE APPROVED PLANS AND SPECIFICATIONS ON THE
 PROJECT SITE AT ALL TIMES.
- 14. UNLESS WRITTEN AUTHORIZATION FROM MSUD PROVIDES OTHERWISE, ALL WATER METERS SHALL BE PLACED IN AN ALIGNMENT THAT IS FRERENDICULAR TO THE ROAD FRONTING THE STRUCTURE BEING SERVED. THEY SHALL BE PLACED A MINIMUM OF 2'-0' FROM ANY STRUCTURE, INCLUDING, BUT NOT LIMITED TO SIDEMALKS, DAIVEMAYS, MALLBOXES, TREES, ETC.; AND THEY SHALL BE LOCATED AT THE FRONT OF THE
- 15. UNLESS WRITTEN AUTHORIZATION FROM MSUD PROVIDES OTHERWISE, NO FIRE HYDRANTS SHALL BE PLACED BETWEEN A SIDEWALK AND THE ROAD OR CURBING.
- 16. UNLESS WRITTEN AUTHORIZATION FROM MSUD PROVIDES OTHERWISE, NO WATER MAINS SHALL BE PLACED UNDER A SIDEWALK, EXTENDING PARALLEL
- 17. ANY WATER MAINS INSTALLED CROSSING UNDER PAVEMENT CARRYING VEHICULAR TRAFFIC SHALL BE BACKFILLED WITH STONE, PER MSUD TRENCH DETAIL - TYPE B. ANY PAVEMENT CARRYING VEHICULAR TRAFFIC, PLACED OVER EXISTING WATER MAINS, SHALL REDUIRE THE MAIN TO BE BEDDED WITH STONE, PER MSUD TRENCH DETAIL-TYPE B.
- 18. UNLESS WRITTEN AUTHORIZATION FROM MSUD PROVIDES OTHERWISE, NO WATER VALVES SHALL BE PLACED IN SIDEWALKS OR RESIDENTIAL
- UNLESS WRITTEN AUTHORIZATION FROM MSUD PROVIDES OTHERWISE, WATER MAINS IN RESIDENTIAL DEVELOPMENTS SHALL BE PLACED IN THE MIDDLE OF ONE LANE OF A STREET.
- 20. ON-SITE MSUD APPROVAL OF A PART OF A PROJECT'S WATER SYSTEM INSTALLATION DOES NOT CONSTITUTE THE DISTRICT'S APPROVAL OF ALL OF THE PROJECT'S WATER SYSTEM INSTALLATION MIST BE OBTAINED BEFORE THE MSUD WILL RECEIVE OWNESSHIP OF THAT WATER SYSTEM. FROM THE TISTE OF THE OWNESSHIP OF THAT WATER SYSTEM. FROM THE TISTE INSPECTION AND FINAL APPROVAL OF THE TOTAL WATER SYSTEM FACILITIES ARE STRICTLY FOR THE THE PRIOR APPROVAL OF THE TOTAL WATER SYSTEM FACILITIES ARE STRICTLY FOR STRICTL
- 21. THE ENGINEER OR ARCHITECT OF THE PROJECT PLANS BEING SUBMITTED TO THE MOUD FOR APPROVAL OF THE WATER SYSTEM INSTALLATION SHALL BE RESPONSIBLE FOR INSURING THAT THOSE PLANS INCLUDE ALL ASPECTS OF THE PROJECT IMPACTING THE WATER SYSTEM ADDITIONS OR MOUTH AND ADDITIONS OR SUBSCIENCY FRANCES IN PLANS, ADVERSELY IMPACTING THE WATER SYSTEM INSTALLATION, IN THE OFINION OF THE MOUD OF THE WATER SYSTEM INSTALLATION, IN THE OFINION OF THE WATER SYSTEM ADDITIONS OR MOUTE ADDITIONS OR MOUTH AND ADDITIONS OR MOUTE ADDITIONS OR MOUTH AND ADDITIONS OR MOUTH AND ADDITIONS OR MOUTE ADDITIONS OR MOUTH ADDITIO
- THE ENGINEER OR ARCHITECT OF THE PROJECT PLANS BEING SUBMITTED TO THE MSUD FOR APPROVAL OF THE WATER SYSTEM / FIRE SPRINKLER INSTALLATION SHALL INCLUDE ONE COPY OF THE SPRINKLER CALCULATIONS FOR REVIEW AND APPROVAL BY THE MSUD.
- 23. NEW WATER MAINS TO BE OWNED AND MAINTAINED BY THE M.S.U.D., OUTSIDE OF ROAD FIGHT-OF-WAYS, SHALL NOT BE INSTALLED UNDER PAVEWENT AND/OR PAVERS IN PRIVATE PROPERTY, UNLESS THERE ARE NO OTHER OPTIONS FOR THE ROUTE OF THE MAIN. SHOULD THE WATER MAIN HAVE TO BE INSTALLED UNDER PAVEMENT AND/OR PAVERS, OUTSIDE THE ROAD REGISTOR THE PROPERTY OWNER AGREES TO A SSUME ALL COSTS AND RESPONSIBILITIES OF RESTORING THE PAVEMENT. AND/OR PAVERS SHOULD THE M.S.U.D. BE REQUIRED TO ACCESS THE WATER MAIN FOR MAINTENANCE, REPEATE OR REVISION.

CONSTRUCTION DETAILS

Contractor shall comply with all applicable and current MSUD details located on the webpage. See Approved Construction Specifications and Details: (https://msud.net/construction-information/)



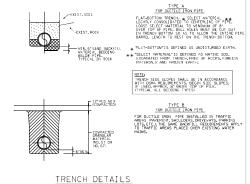


TABLE OF DIMENSIONS FOR CONCRETE BLOCKING																									
SIZE	TAPPING SLEEVES TEES & PLUGS						90° BENDS				45" BENDS				22 ¹ /2" BEMDS					11 1/4" BENDS					
PIPE	Н1	Н2	٧	0	ÇU. FT.	н,	Н2	ν	0	CU. FT.	Н1	н2	٧	D	CU. FT.	Н1	Н2	٧	D	CU. FT.	Н1	Н2	٧	D	CU. FT.
4214	18"	10"	12"	18"	1.90	18"	10"	12"	18.	1.90	18"	6"	12"	18"	1.50	18′	6"	12"	18"	1.50	181	6"	12"	18"	1.50
3%41	24"	12"	12"	18"	2,25	24"	12"	12"	18.	2,25	18"	8"	12"	18"	1.60	181	8"	12"	18"	1.60	181	8"	12"	181	1.60
6"	24*	16"	18"	18*	3.50	30*	16"	18"	18.	4.05	24*	10*	16"	18"	3.20	24"	10"	16"	18"	3.20	24"	10.	16"	18"	3.20
8"	36"	18"	18"	18"	5.05	39"	18"	24"	18.	7,30	30*	11"	18"	18"	3.95	24"	11"	18"	18"	3.40	24"	11"	16"	18"	3.40
10"	48*	24"	18"	24*	7.15	54"	32.	12"	18"	10.2	24*	181	21 -	18"	4.60	24"	181	21 "	18"	4.60	24"	18"	21 -	181	4.60
12"	54"	30"	24"	24"	13.4	54"	36"	26"	24*	18.1	42"	18"	24"	24"	9.60	24"	18"	24"	24"	6.80	24"	18"	21"	24"	6.10
16"	66"	341	36"	24"	22.5	69"	48"	48"	24"	29.0	48"	301	36"	24"	17.0	24"	301	27"	24"	11.8	271	24"	21"	241	9.10
24*	84*	48"	46*	30"	75.6	88*	681	68*	36*	126.8	60.	36*	42"	36"	48.0	36*	30°	42"	36"	22.7	36*	30*	42*	36"	22.7
TISSE IS BASED ON 225 F.S.I. OR ISO P.S.I. WORSENS PRESSAND FLUS SOOT WATER HAMMER! WII CONCRETE UND FOR BLOOKED SHELL DE 3500 F.S. In EARLY PRESSANDS ARE FILLERED AT 40000 FEB SOLFT, ENGAGED ON ANY ANY STATE ARE ELECTRICAL BELL OF ENGAGED ON ANY ANY STATE OF THE SOLFT.																									

TABLE OF DIMENSIONS
FOR CONCRETE BLOCKING

FILE NO.	PORT DRIVE						
DATE;	10-31-2024						
DESIGNED BY:	AOS						
DRAWN BY:	AOS						
CHECKED BY:	DWG						

REVISION BLOCK

DATE:

DATE:

DATE:

CONSOR ENGINEERS, LLC 101 WESTPARK DRIVE, SUITE 300 BRENTWOOD, TN 37027 (615)-425-2000



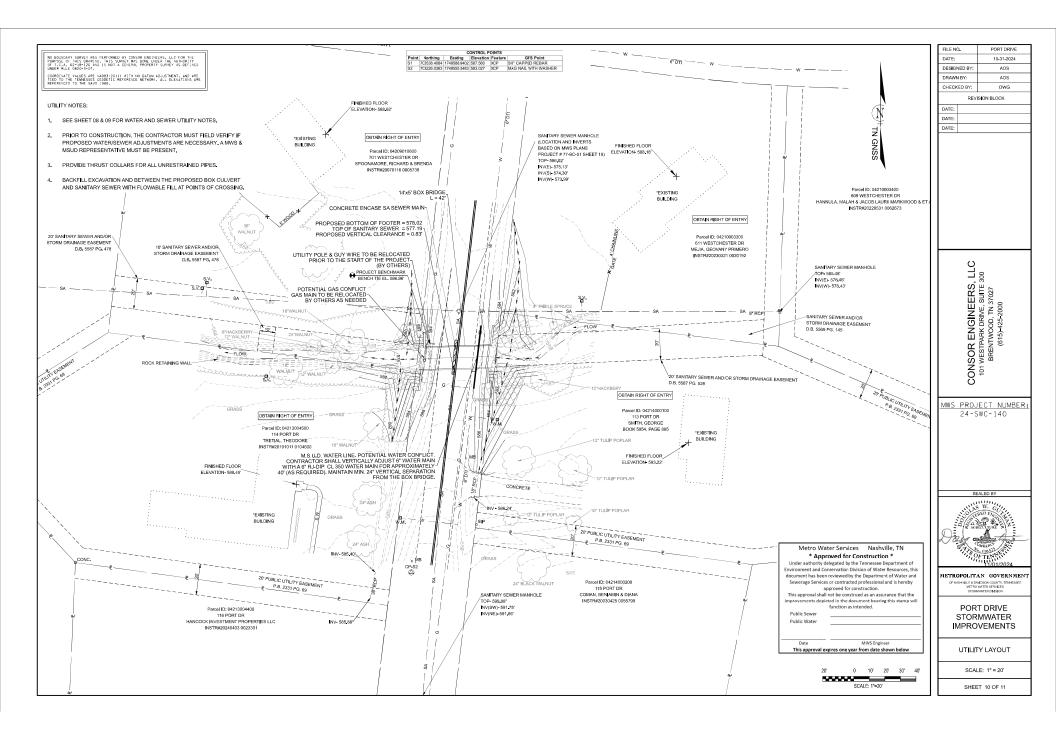
METROPOLITAN GOVERNMENT
OF NASHVILLE & DAVIDSON COUNTY, TENNESSEE

PORT DRIVE STORMWATER IMPROVEMENTS

UTILITY NOTES

SCALE: N.T.S.

SHEET: 09 OF 11



STANDARD DETAILS:

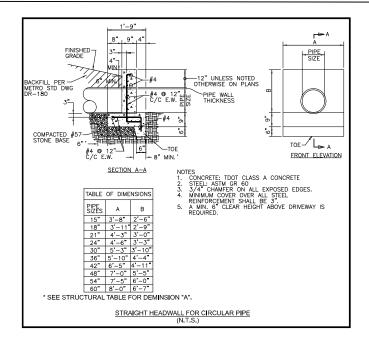
Applicable details for this project include:

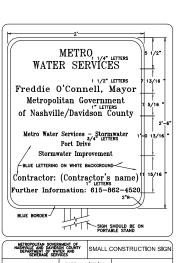
MWS/NDOT DETAILS:

- DR-180 (Trench Backfill)
- TCP-14 (Weighted Sediment Tube)
- TCP-15 (Sand Bag Barrier)
- ST-252 (Residential Medium Density Minor and Local Street (50' ROW))
- ST-271A (Recessed Trench Repair with Crushed Stone)

TDOT DETAILS:

- EC-STR-1 (Dewatering Structure)
- EC-STR-2 (Sediment Filter Bag)
- EC-STR-32 (Temporary Diversion Culverts)
- STD-17-1 (Index of Drawings)
- STD-17-2 (Terminology of Drawings)
- STD-17-3 (General Notes)
- STD-17-4 (Design Section Limits)
- STD-17-5 (Typical Sections and Details)
- STD-17-6 (Typical Elevation)
- STD-17-9 (Interior Wall End Treatments)
- STD-17-10 (Typical Wingwall Details and Notes)
- STD-17-12 (Wingwall Dimensions for Concrete Bridge Box with 75 Degree Skew)
- STD-17-15 (Wingwall and Special Retaining Wall Design Sections)
- STD-17-16 (Wingwall Design Sections)
- STD-17-17 (Backfill and Drainage Details)
- STD-17-18 (Backfill Details)
- STD-17-25 (Stage Construction Joint Detail (Fill Above Top of Slab Not Greater Than 5'-6"))
- STD-17-28 (End Section Details)
- STD-17-59 (Standard Reinforced Concrete Box Bridge Interior Section: 1 Barrel At 14'-0" Clear Height 5'-0" through 7'-0" Thru 60' Fill)





	METROPOLITAN GOVER NASHVILLE AND DAVIDS DEPARTMENT OF WAT SEWERAGE SERV	NMENT OF ON COUNTY TER AND VICES	SMALL CONSTRUCTION SIGN					
C	NOT TO SCALE	DATE: 12	/27/01	DWG. NO. CON-SIGN-SM				

FILE NO.	PORT DRIVE							
DATE;	10-31-2024							
DESIGNED BY:	AOS							
DRAWN BY:	AOS							
CHECKED BY:	DWG							

REVISION BLOCK DATE: DATE:

CONSOR ENGINEERS, LLC 101 WESTPARK DRIVE, SUITE 300 BRENTWOOD. TN 37027 (615)-425-2000



METROPOLITAN GOVERNMENT

PORT DRIVE STORMWATER **IMPROVEMENTS**

STANDARD DETAILS

SCALE: N.T.S.

SHEET: 11 OF 11