MULTIMODAL ACCESS CLOSURE EXCEPTION APPLICATION FORM AND CHECKLIST

Submittal Date: 4/15/26 ☐ **New Submittal** ☐ **Re-Submittal No:**_____

Related Building Permit No:_____

Project Name: Westboro Drive Stormwater System Improvements

Street Name Location: Westboro Drive

Between: Thunderbird Drive **And:** Patton Avenue

Applicant Name: Walker Building Group

Address: 2617 Locust Street

Phone: 615-854-2963 **Fax:**_____ **Contact:** Matthew Frey

Email: mfrey@walkerbuildinggroup.com

Project Description: Installing new slab bridge

Start Date: 5/14/26 **End Date:** 7/31/26 **Project Length:** 78 days

Describe Type of Closure:

Removal of existing 34"x59" pipes crossing under Westboro Drive and replacing them with a 10'x4' Slab Bridge.

Provide Reasons why Project cannot be completed without closures and what other options were considered (attach documents as needed):

Excavation to remove the existing storm pipe and install the new slab bridge will be 20ft wide. We can not span that width with steel street plates. Project has been requested to start at the end of school because it is near Charlotte Park

PROJECT INFORMATION CHECKLIST:

Included	Not Applicable	
☒	☐	Project Vicinity Map with Project Area shown, street names, property information, existing pavement and striping, gutter and building locations, north arrow, and scale.
☒	☐	Planned work hours included.
☒	☐	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.
☒	☐	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.
☒	☐	Provide plan to address conflicts with other nearby projects.
☒	☐	Provide traffic control plan for each phase of construction (see traffic control checklist for more information).
☒	☐	Provide information on work vehicle parking locations.
☒	☐	Show construction trucks ingress/egress to project location.
☒	☐	Provide information on any traffic signals, traffic signal loops, and traffic signal cabinets in close proximity to project.

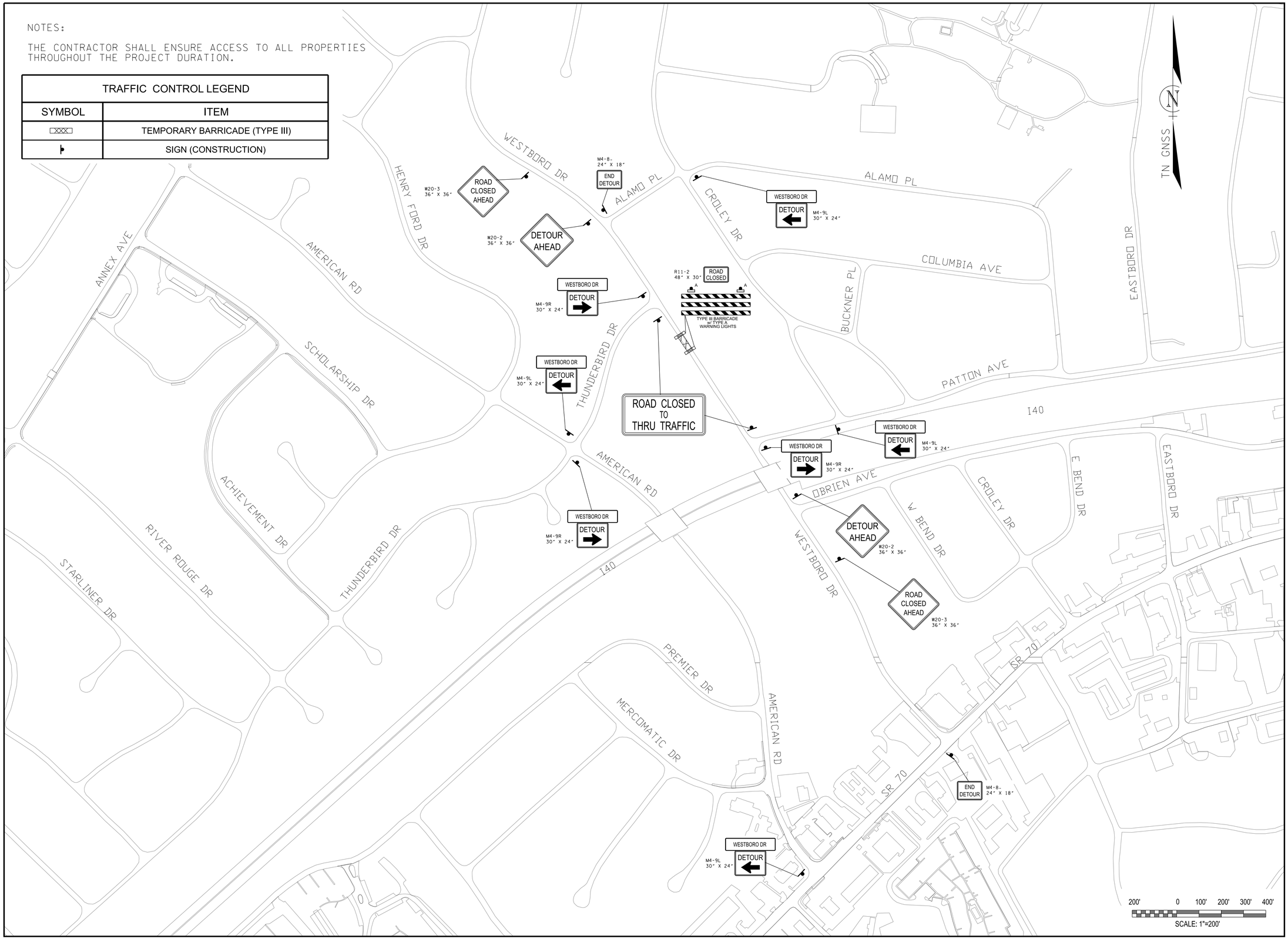
TRAFFIC CONTROL PLAN CHECKLIST:

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.
☒	☐	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.
☒	☐	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.
☒	☐	Lighting provided for all pedestrian detour routes.
☒	☐	Provide minimum eleven (11) foot travel lanes at all times.
☒	☐	Show size, height, and location of all channelizing devices, warning lights, flag trees, barriers, etc.
☒	☐	Label all taper lengths and widths.
☒	☐	Provide locations of police officers for each phase as needed.
☒	☐	Temporary Traffic Control Plan has been stamped and signed by a TN licensed Civil Engineer.

NOTES:

THE CONTRACTOR SHALL ENSURE ACCESS TO ALL PROPERTIES THROUGHOUT THE PROJECT DURATION.

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
▭	TEMPORARY BARRICADE (TYPE III)
⊢	SIGN (CONSTRUCTION)



FILE NO.	WESTBORO DRIVE
DATE:	06-09-2025
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
(888) 451-6822

PROJECT NO. 25-SWC-300

SEALED BY

DOUGLAS W. GUTMAN
REGISTERED ENGINEER
No. 118173
STATE OF TENNESSEE
06/13/2025

METROPOLITAN GOVERNMENT
OF NASHVILLE & DAVIDSON COUNTY, TENNESSEE
METRO WATER SERVICES
STORMWATER DIVISION

WESTBORO DRIVE STORMWATER IMPROVEMENTS

TRAFFIC CONTROL PLAN

SCALE: 1" = 200'

SHEET 07 OF 11

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

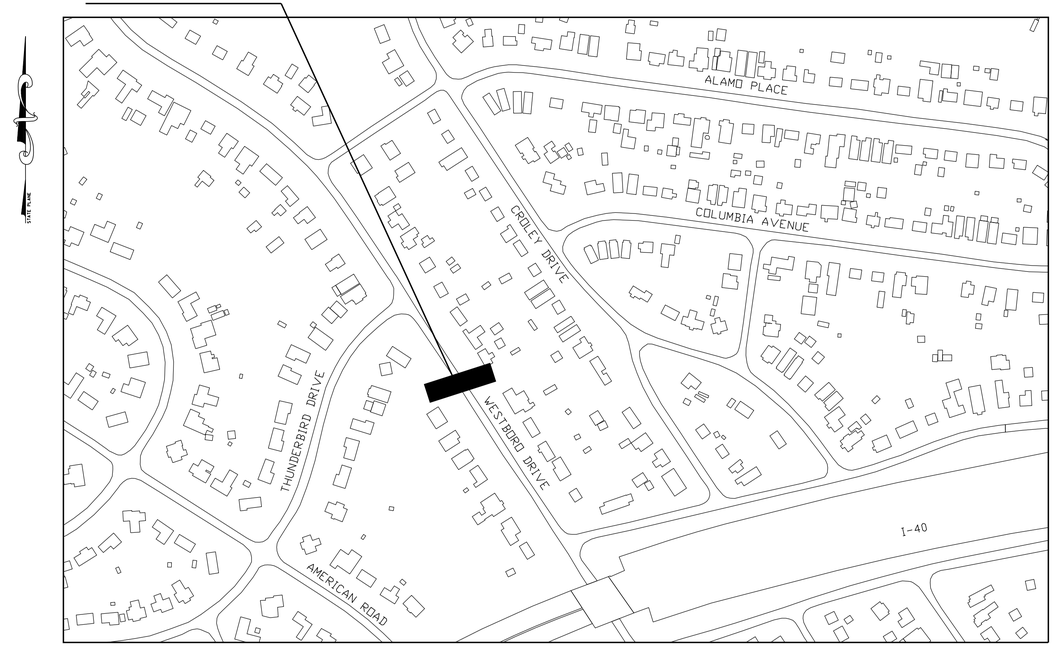
FILE NO.	WESTBORO DRIVE
DATE:	06-09-2025
DESIGNED BY:	AOS
DRAWN BY:	AOS
CHECKED BY:	DWG
REVISION BLOCK	
DATE:	
DATE:	
DATE:	

INDEX

DAVIDSON COUNTY
DISTRICT 20

WESTBORO DRIVE
STORMWATER SYSTEM IMPROVEMENTS

PROJECT LOCATION



SCALE: 1"=200'

MWS PROJECT NUMBERS:
25-SWC-300
25WC0050

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
Date
MWS Engineer
This approval expires one year from date shown below

FREDDIE O'CONNELL
METROPOLITAN MAYOR

METRO WATER SERVICES STORM WATER

SCOTT A. POTTER
DIRECTOR OF WATER & SEWERAGE SERVICES

DOUGLAS W. GUTMAN REGISTERED ENGINEER 115373 STATE OF TENNESSEE
06/13/2025

PREPARED BY:

CONSOR ENGINEERS, LLC
101 WESTPARK DRIVE, SUITE 300, BRENTWOOD, TN 37027
(888) 451-6822

SHEET NO. 01 OF 11

ENGINEERING BY - METROPOLITAN DEPARTMENT OF WATER AND SEWERAGE SERVICES
STORMWATER DIVISION
1607 COUNTY HOSPITAL ROAD
NASHVILLE, TN 37218

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:

1. 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, NASHVILLE DEPARTMENT OF TRANSPORTATION SPECIFICATIONS AND DETAILS, AND METRO WATER SERVICES SPECFICATIONS AND DETAILS FOR WATER AND SEWER CONSTRUCTION.

2. WATER LINE LOCATIONS WERE ESTIMATED FROM VALVE BOXES AND WATER METERS LOCATED BY SURVEYORS AND FROM BASE MAPPING PROVIDED BY METRO WATER SERVICES. 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 WILL BE NOTED ON THE EXISTING SITE PLAN(S). POTENTIAL CONFLICTS WITH MAIN SEWER LINES WERE ESTIMATED BY ASSUMING A CONSTANT SLOPE FROM THE UPSTREAM MANHOLE TO THE DOWNSTREAM MANHOLE. THE LOCATION OF SANITARY SERVICE LINES WERE ESTIMATED FROM AS-BUILT DRAWINGS PROVIDED BY MWS, AND CLEAN-OUTS LOCATED BY THE SURVEYORS, IF PRESENT. USE APPROXIMATE LOCATION OF SEWER SERVICE LINES AS GUIDANCE ONLY. LOCATION MAY OR MAY NOT BE ACCURATE. ADDITIONAL SERVICE LINES MAY BE PRESENT. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES AND PROTECTING UTILITIES PROPOSED TO REMAIN. CONSOR ENGINEERS, LLC ASSUMES NO RESPONSIBILITY FOR ACCURACY OR COMPLETENESS OF THIS INFORMATION. REPAIRS AND/OR REPLACEMENTS TO ANY UTILITIES DAMAGED BY CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. NO ADDITIONAL PAYMENT WILL BE MADE.

3. THE CONTRACTOR SHALL USE TRAFFIC CONTROL METHODS AS APPROVED BY THE TENNESSEE DEPARTMENT OF TRANSPORTATION, THE NASHVILLE DEPARTMENT OF TRANSPORTATION, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.).

4. 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.

5. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION AND NOTIFY OWNER'S REPRESENTATIVE OF DIFFERING CONDITIONS PRIOR TO PROCEEDING WITH WORK.

6. THE CONTRACTOR SHALL REPAIR ALL DAMAGE TO STREETS, YARDS, MAILBOXES, FENCES, SIGNS, DRIVEWAYS, TREES, LANDSCAPING, IRRIGATION SYSTEMS, ETC. AT NO ADDITIONAL COST TO OWNER.

7. 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).

9. EROSION AND SEDIMENT (E&S) CONTROL MEASURES TO BE INSTALLED PER METROPOLITAN GOVERNMENT OF NASHVILLE AND DAVIDSON COUNTY BEST MANAGEMENT PRACTICES (BMP), LATEST EDITION.

10. 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-270a/b, DR-271a/b, AND/OR 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 JOE FEDUN AT 615-862-4164 FOR ACCESS AND SCHEDULING 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 PAVEMENT REPLACEMENT/ PATCHING. REFER TO METROPOLITAN GOVERNMENT OF NASHVILLE AND DAVIDSON COUNTY STANDARD DETAILS ST-270a/b AND/OR ST-271a/b. 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 AT NO ADDITIONAL COST TO METRO WATER SERVICES.

19. WHERE APPLICABLE, CONSTRUCTION SHALL CONFORM TO TDEC AQUATIC RESOURCE ALTERATION PERMIT PROGRAM REQUIREMENTS.

20. THE CONTRACTOR SHALL NOTIFY METRO WATER SERVICES CONSTRUCTION MANAGER OF ALL WATER LINE AND SANITARY 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 FOOT 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 BEGINNING 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 IRON PINS OR MONUMENTS THAT ARE DISTURBED DURING CONSTRUCTION; GENERATE STAMPED AS-BUILT DRAWING(S); REPLACEMENT OF DISTURBED IRON PINS AND/OR 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 (PDF) FORMAT AND A DRAWING FILE IN AUTOCAD (DWG), 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 (QA/QC) IN ACCORDANCE WITH TDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT EDITION), PART 6, SECTION 604. A MAJOR DRAINAGE STRUCTURE, FOR THIS PURPOSE, WILL BE DEFINED AS ANY STRUCTURE REQUIRING REINFORCING STEEL. THIS WILL INCLUDE ALL BOX CULVERTS, SLAB BRIDGES, RETAINING WALLS, VERTICAL WALLED CHANNELS, INLETS, JUNCTION BOXES, AND HEADWALLS/ENDWALLS FOR PIPE DIAMETERS ≥ FORTY-EIGHT INCHES (48"). CONSTRUCTION ITEMS REQUIRING WELDED WIRE FABRIC, SUCH AS SIDEWALKS AND SWALES, WILL NOT REQUIRE QUALITY CONTROL FIELD TESTING. THE CONTRACTOR WILL BE FULLY RESPONSIBLE FOR RETAINING AN 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, NOISE WALL PANELS, AND EARTH RETAINING WALL PRODUCTS FOR QUALITY AND ASSURANCE PURPOSES ONLY. NOTE THAT ALL PRE-CAST DRAINAGE STRUCTURES SHALL HAVE A "QC" STAMP OR ETCHING ON PRODUCT. ALL PRODUCTS USED SHALL BE ON THE CURRENT TDOT QUALIFIED PRODUCT LIST (QPL), LOCATED AT http://www.tn.gov/tdot/topic/qualified-products. THE PRODUCERS AND/OR SUPPLIERS SHALL BE ON THE CURRENT TDOT PRODUCER/SUPPLIER REPORT LOCATED AT https://www.tdot.tn.gov/applications/producersupplier.

29. TREE REMOVALS FOR LINEAR STORMWATER PROJECTS SHALL BE AT A TWO TO ONE REPLACEMENT RATIO. THIS POLICY WILL NOT APPLY TO THE REMOVAL OF TREES THAT ARE DEAD, DISEASED, INVASIVE, POTENTIALLY HAZARDOUS, BRADFORD PEAR (PYRUS CALLERYANA), OR ASH (FRAXINUS) SPECIES. TREES THAT CANNOT BE PLANTED NEAR THE REMOVAL SITE CAN BE PLANTED AT AN ALTERNATE LOCATION APPROVED BY MWS. HACKBERRIES WILL BE REPLACED ON A ONE TO ONE BASIS. REPLACEMENT TREES SHALL BE AT LEAST ONE INCH DIAMETER AT BREAST HEIGHT (DHB) 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.aspx) AND SHALL BE OF A FORM AND QUALITY SET OUT IN THE AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z60.1, 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 EDGE OF PAVEMENT.

3. 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.

4. ASPHALT REPAIR GREATER THAN 24-INCHES, ADJACENT TO CURB & GUTTER ALONG A ROADWAY SHALL HAVE FULL LANE WIDTH PAVING.

5. 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.

7. PERMIT OFFICE WILL NEED TO BE NOTIFIED WHEN REPAIRS ARE FINISHED TO START WARRANTY PERIOD.

8. 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.GOV/IMS/PAVING/DOCUMENTS/APPENDIX_D.PDF.

FILE NO.	WESTBORO DRIVE
DATE:	06-09-2025
DESIGNED BY:	AOS
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CONSOR ENGINEERS, LLC
101 WESTPARK DRIVE, SUITE 300
BRENTWOOD, TN 37027
(888) 451-6822

PROJECT NO. 25-SWC-300

SEALED BY

DOUGLAS W. GUTMAN
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 116213
STATE OF TENNESSEE

06/13/2025

METROPOLITAN GOVERNMENT
OF NASHVILLE & DAVIDSON COUNTY, TENNESSEE
METRO WATER SERVICES
STORMWATER DIVISION

WESTBORO DRIVE STORMWATER IMPROVEMENTS

GENERAL NOTES

SCALE: N.T.S.

NO BOUNDARY SURVEY WAS PERFORMED BY CONSOR ENGINEERS, LLC FOR THE PURPOSE OF THIS DRAWING. THIS SURVEY WAS DONE UNDER THE AUTHORITY OF T.C.A. 62-18-126 AND IS NOT A GENERAL PROPERTY SURVEY AS DEFINED UNDER RULE 0820-3-07.

COORDINATE VALUES ARE NAD83(2011) WITH NO DATUM ADJUSTMENT, AND ARE TIED TO THE TENNESSEE GEODETIC REFERENCE NETWORK. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

LEGEND

- Benchmark
- Control Point
- EIP Iron Pin
- CONC. Concrete Monument
- Sanitary Sewer Manhole
- W.M. Water Meter
- S.V. Sewer Valve
- Utility Pole W/Light
- Utility Pole
- Guy Wire
- Utility Box
- MB Mail Box
- Single Post Sign
- Single Tree
- Bush
- LS Landscape
- Milling & Paving Limits
- Trench Limits & Driveway Removal
- W Water Line
- G Gas Line
- SA Sanitary Sewer Line
- Storm Pipe
- Private Retaining Wall
- Edge of Pavement
- Driveway
- Guardrail
- Tree Drip Line
- ℄ Property Line
- Right-of-Way Line
- Easement Line
- 473 Major Contour Line
- Minor Contour Line

TREE REMOVAL TABLE		
SIZE	SPECIES	NO. OF TREES TO REPLACE
6"	MAPLE	2

CONTROL POINTS					
Point	Northing	Easting	Elevation	Feature	Description
S1	662925.7630	1710110.1570	473.484	XCP	5/8" CAPPED REBAR
S2	662683.2530	1710323.8940	478.084	XCP	5/8" CAPPED REBAR

Know what's below. Call before you dig.

SANITARY SEWER MH.
TOP: 477.82'
INV(NW): 468.48'
INV(SE): 468.41'
BOTTOM: 468.48'

DIRECTION(8" FIBERGLASS)

PARCEL ID: 09016011200
536 WESTBORO DR
HOWARD, BETTY ANN
REVOCABLE LIVING TRUST
INSTR.# 20240708 0050608

PARCEL ID: 090160X90000CO
532 B WESTBORO DR
O.I.C. FIVETHIRTYFOUR
WESTBORO DRIVE
INSTR.# 20210730 0102980

PARCEL ID: 09016029600
535 WESTBORO DR
ADKINS, KAREN WALDRON 2020 TRUST
INSTR.# 20230321 0020338

PARCEL ID: 090160M90000CO
6305 B THUNDERBIRD DR
O.I.C. HOMES AT 6303 AND
6305 THUNDERBIRD
INSTR.# 20190530 0051442

PARCEL ID: 09016029700
529 WESTBORO DR
YOUNG, JON MIKEL & LAURA
INSTR.# 20240415 0026559

PARCEL ID: 090160A90000CO
523 C WESTBORO DR
O.I.C. 523 WESTBORO DRIVE
TOWNHOMES
INSTR.# 20150707 0065741

PARCEL ID: 09016011400
526 WESTBORO DR
MILLS, ERVIN MILLS &
FRANCES F.
INSTR.# 20020129 0012381

PARCEL ID: 09016011500
524 WESTBORO DR
MILLS, ERVIN ETUX
D.B. 3368 PG. 119

OBTAIN RIGHT OF ENTRY

WESTBORO DR (ASPHALT)

MILLING & PAVING LIMITS (SAW CUT)

TRENCH LIMITS (SAW CUT)

20' P.U.D.E. EASEMENT INSTR.# 20181114 0111449

VARIABLE WIDTH PUBLIC UTILITY & DRAINAGE EASEMENT INSTR.# 20181114 0112263

20' P.U.D.E. EASEMENT INSTR.# 20181114 0112263

NO RECORD EASEMENT FOUND

GOOGLE FIBER
4" CONDUIT X2
CLEANOUT INVERT: 469.63'
INV: 470.13'
INV: 470.09'
INV: 469.46'
12" RCP
INV: 469.38'
INV: 469.33'
14" DTI
INV: 468.59'
INV: 469.27'
INV: 469.35'
INV: 472.18'

REMOVE HEADWALL
REMOVE APPROX. 345 SF OF ASPHALT DRIVEWAY
REMOVE APPROX. 25 LF OF 12" RCP
REMOVE APPROX. 35 LF OF SILT FENCE
REMOVE TREE
REMOVE HEADWALL
REMOVE GUARDRAIL
REMOVE TWO APPROX. 30' LONG SECTIONS OF 34"X59" CMP
REMOVE HEADWALL
REMOVE PIPE
REMOVE HEADWALL
REMOVE APPROX. 245 SF OF ASPHALT DRIVEWAY

SILT FENCE
6" MAPLE
34" X 59" CMP
34" X 59" CMP
470'
10" FIBERGLASS
8" FIBERGLASS
10" FIBERGLASS
8" FIBERGLASS
10" CHERRY
BLOCK WALL
470'
BLOCK WALL
DIRECTION(10" FIBERGLASS)
DIRECTION(BURIED)
PROJECT BENCHMARK
RAILROAD SPIKE
EL. 474.70'

SANITARY SEWER MH.
TOP: 466.27'
INV(E): 461.61'
INV(W): 461.58'
BOTTOM: 461.66'

SANITARY SEWER MH.
TOP: 474.52'
INV(W): 465.80'
INV(SE): 465.70'
INV(SE): 465.16'
INV(W): 464.80'
BOTTOM: 464.97'

SANITARY SEWER MH.
TOP: 472.61'
INV(SE): 467.75'
INV(SW): 466.68'
BOTTOM: 466.93'

SANITARY SEWER MH.
TOP: 473.60'
INV(NE): 466.04'
INV(NW): 465.64'
BOTTOM: 465.85'

CP-S1
CP-S2

20' 0 10' 20' 30' 40'
SCALE: 1"=20'

TN GNSS

FILE NO.	WESTBORO DRIVE
DATE:	06-09-2025
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
(888) 451-6822

PROJECT NO. 25-SWC-300

SEALED BY

DOUGLAS W. GUTMAN
REGISTERED ENGINEER
AGRICULTURE
No. 136173
STATE OF TENNESSEE
06/13/2025

METROPOLITAN GOVERNMENT
OF NASHVILLE & DAVIDSON COUNTY, TENNESSEE
METRO WATER SERVICES
STORMWATER DIVISION

WESTBORO DRIVE STORMWATER IMPROVEMENTS

PRESENT LAYOUT AND DEMOLITION PLAN

SCALE: 1" = 20'

SHEET 03 OF 11

NOTES:

1. ALL DIMENSIONS ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
2. PADDLEBOARD SIGNS (OM3-R & OM3-L) SHALL BE INSTALLED ON ALL FOUR BRIDGE CORNERS IN ACCORDANCE WITH THE MUTCD.
3. FLEXAMAT SHOULD BE INSTALLED ON THE STREAM BANKS ONLY. THE STREAM BED SHALL BE BROUGHT BACK TO ITS ORIGINAL CONDITION WITH NATURAL STREAM BOTTOM MATERIALS.
4. CONTRACTOR TO COORDINATE WITH THE PROPERTY OWNER FOR THE EXACT TREE LOCATIONS AND TO VERIFY TREE SPACING PER THE TREE SPECIES' RECOMMENDATION.
5. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER TO VERIFY THE SUITABILITY OF A SLAB BRIDGE.
6. SLAB BRIDGE FOOTINGS SHALL BE CARRIED TO BEDROCK.

TN GNSS

CONTROL POINTS

Point	Northing	Easting	Elevation	Feature	Description
S1	662925.7630	1710110.1570	473.484	XCP	5/8" CAPPED REBAR
S2	662683.2530	1710323.8940	478.084	XCP	5/8" CAPPED REBAR

Drainage Structure Schedule

Structure	Type	Grate / Top Elev	Invert In	Invert Out	Detail Dimension A (FT)	Skew	Description	Northing	Easting
HW-01	15" Straight Headwall	472.24	469.74	-	4.0	86° 18'	See Detail on Sheet 10	662820.22	1710234.16
STUB-01	Outfall In NE Wingwall	-	-	469.42	-	82° 1'	-	662793.62	1710255.42
HW-02	15" Straight Headwall	474.25	471.75	-	4.0	90° 0'	See Detail on Sheet 10	662734.82	1710241.30
HW-03	15" Straight Headwall	474.05	-	471.55	4.0	90° 0'	See Detail on Sheet 10	662750.83	1710229.85

Storm Sewer Structure Schedule

Structure	Type	From	To	Length (ft)	Upstream Invert (ft)	Downstream Invert (ft)	Slope
1	10'x4' Slab Bridge	Inlet	Outlet	49.5	468.67	468.17	1.0%
2	15" RCP	HW-01	STUB-01	34.0	469.74	469.42	0.9%
3	15" RCP	HW-02	HW-03	20.0	471.75	471.55	1.0%

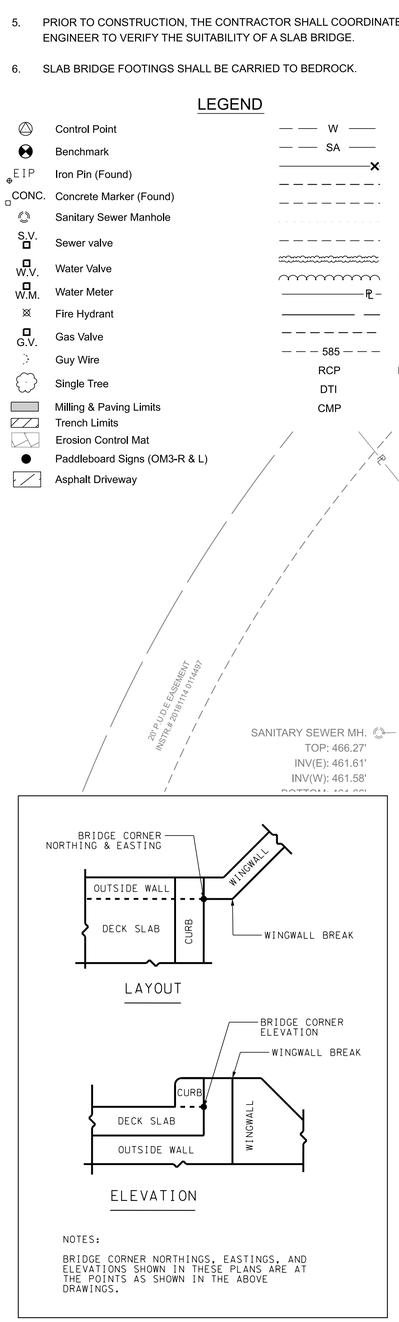
POINT	LOCATION	NORTHING	EASTING	ELEVATION
1	SE WINGWALL CORNER	662773.11	1710267.40	473.00
2	SE WINGWALL BREAK	662781.10	1710259.87	474.17
3	SE BRIDGE CORNER	662781.12	1710258.87	473.67
4	NE BRIDGE CORNER	662791.33	1710252.21	473.67
5	NE WINGWALL BREAK	662791.30	1710253.21	474.17
6	NE WINGWALL CORNER	662796.39	1710258.02	472.00
7	NW WINGWALL CORNER	662793.12	1710190.90	470.92
8	NW WINGWALL BREAK	662792.80	1710201.87	473.67
9	NW BRIDGE CORNER	662792.77	1710202.91	473.17
10	SW BRIDGE CORNER	662782.59	1710209.12	473.17
11	SW WINGWALL BREAK	662782.61	1710208.12	473.67
12	SW WINGWALL CORNER	662771.62	1710207.80	471.67

OBTAIN RIGHT OF ENTRY

WINGWALL	LENGTH
NW WINGWALL	11'
NE WINGWALL	7'
SE WINGWALL	11'
SW WINGWALL	11'

LEGEND

Control Point	W	Water Line	
Benchmark	SA	Sanitary Sewer Line	
EIP Iron Pin (Found)		Fence	
CONC. Concrete Marker (Found)		Edge of Pavement	
Sanitary Sewer Manhole		Driveway	
S.V. Sewer valve		*GIS Located Building	
W.V. Water Valve		Storm Sewer	
W.M. Water Meter		Hedge	
Fire Hydrant		Tree Line	
G.V. Gas Valve		Property Line	
Guy Wire		Right-of-Way Line	
Single Tree	585	Easement Line	
Milling & Paving Limits	RCP	Major Contour Line	
Trench Limits	DTI	Reinforced Concrete Pipe	
Erosion Control Mat	CMP	Ductile Iron Pipe	
Paddleboard Signs (OM3-R & L)		Corrgated Metal Pipe	
Asphalt Driveway			



NOTES:

BRIDGE CORNER NORTHINGS, EASTINGS, AND ELEVATIONS SHOWN IN THESE PLANS ARE AT THE POINTS AS SHOWN IN THE ABOVE DRAWINGS.

FILE NO.	WESTBORO DRIVE
DATE:	06-09-2025
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
(888) 451-6822

PROJECT NO. 25-SWC-300

SEALED BY

METROPOLITAN GOVERNMENT
OF NASHVILLE & DAVIDSON COUNTY, TENNESSEE
METRO WATER SERVICES
STORMWATER DIVISION

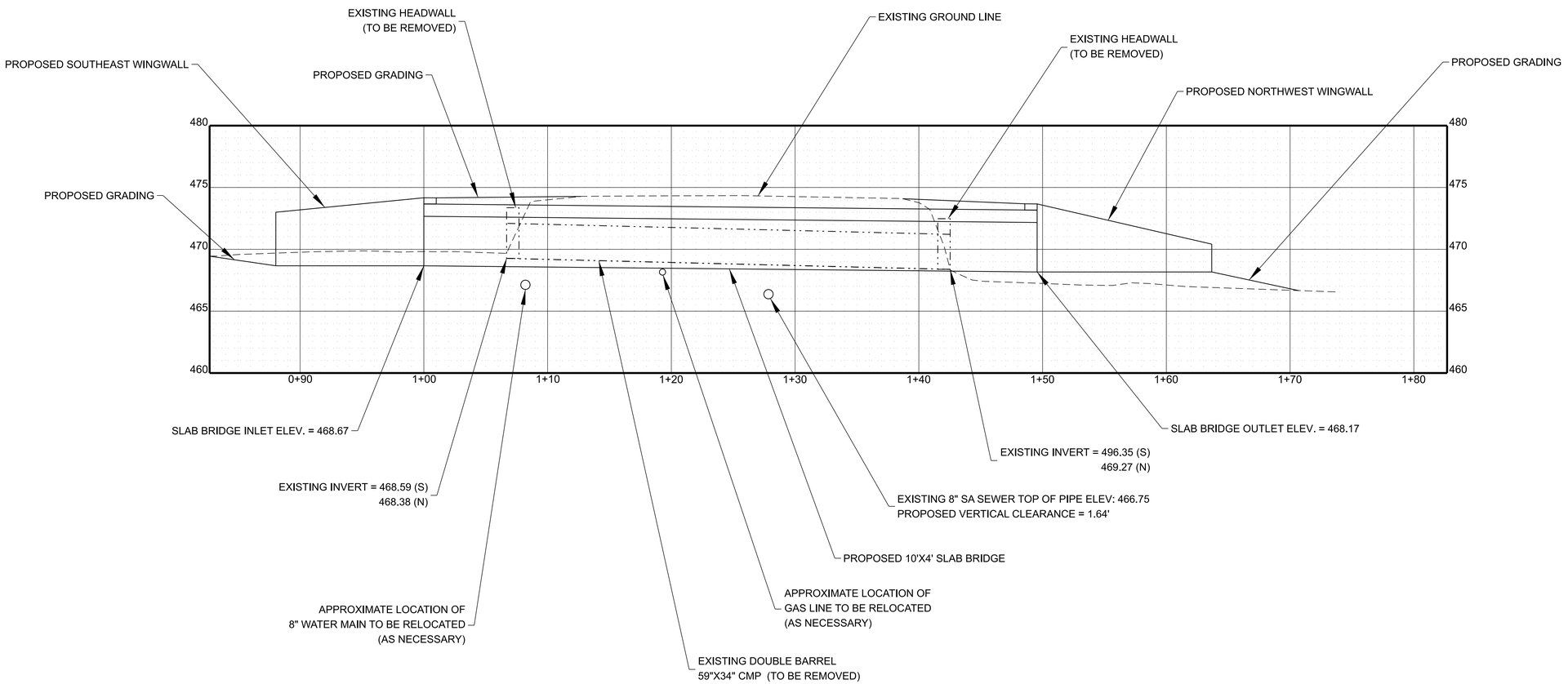
WESTBORO DRIVE STORMWATER IMPROVEMENTS

PROPOSED LAYOUT

SCALE: 1" = 20'

SHEET 04 OF 11

PROFILE VIEW



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CONSOR ENGINEERS, LLC
101 WESTPARK DRIVE, SUITE 300
BRENTWOOD, TN 37027
(888) 451-6822

PROJECT NO. 25-SWC-300

SEALED BY

DOUGLAS W. GUTHAN
REGISTERED ENGINEER
STATE OF TENNESSEE
No. 116171
06/13/2025

METROPOLITAN GOVERNMENT
OF NASHVILLE & DAVIDSON COUNTY, TENNESSEE
METRO WATER SERVICES
STORMWATER DIVISION

WESTBORO DRIVE
STORMWATER
IMPROVEMENTS

PROPOSED PROFILE

SCALE: 1" = 5' H
1" = 5' V

SHEET 05 OF 11

EROSION PREVENTION & SEDIMENT CONTROL (E.P.S.C.) NOTES:

1. THE USE AND PLACEMENT OF EROSION CONTROL DEVICES SHALL BE IN ACCORDANCE WITH METRO WATER SERVICES BEST MANAGEMENT PRACTICES, LATEST EDITION, AND/OR APPLICABLE TDEC ARAP, USACE NWP, AND/OR TDOT STANDARDS. THE MOST STRINGENT PRACTICE SHALL GOVERN.

2. NO WORK WILL BE INITIATED ON THE PROJECT UNTIL THE EROSION/ SILTATION MEASURE SHOWN ON THE PLANS AND DETAILS ARE PROPERLY IN PLACE.

3. IF, AT ANY TIME DURING THE CONSTRUCTION PHASE OF THIS PROJECT, METRO REPRESENTATIVE DEEMS THAT THE EROSION/SILTATION MEASURES INSTALLED FAIL TO FUNCTION PROPERLY, NEED MAINTENANCE OR REPAIR, OR NEED NEW REPLACEMENT IN KIND, THE CONTRACTOR WILL EFFECT SUCH ACTIONS AS ARE NEEDED TO CORRECT THE SITUATION AT NO ADDITIONAL COST TO THE OWNER. NECESSARY REPAIRS OR REPLACEMENT OF EPSC MEASURES SHALL BE ACCOMPLISHED PROMPTLY. WHEN NOTIFIED OF DEFICIENT EPSC MEASURES, THE CONTRACTR HAS 48 HOURS OR BEFORE THE NEXT RAIN EVENT TO REGAIN COMPLIANCE OR OTHERWISE RUN THE RISK OF THE JOB BEING SHUTDOWN. NO ADDITIONAL CONTRACT DAYS WILL BE GIVEN IN THIS INSTANCE.

4. AREAS AND TIME OF EXPOSURE OF UNPROTECTED SOILS SHALL BE KEPT TO A MAXIMUM OF 15 DAYS.

5. USE TEMPORARY VEGETATION AND/OR MULCH TO PROTECT BARE AREAS FROM EROSION DURING CONSTRUCTION.

6. KEEP DUST WITHIN TOLERABLE LIMITS BY SPRINKLING OR OTHER ACCEPTABLE METHODS.

7. DISTURBED AREAS ARE TO BE GRADED TO DRAIN TO SEDIMENT BARRIERS, AS INDICATED ON PLAN, DURING AND UPON COMPLETION OF CONSTRUCTION.

8. UPON STABILIZATION OF THE PROJECT SITE WITH A GOOD (ACCEPTABLE) STAND OF GRASS AND/OR GROUND COVER, THE EROSION/SILTATION INSTALLATIONS WILL BE REMOVED AND THE AREA DISTURBED WILL BE SEEDED AND MULCHED WITH THE SAME TREATMENT AS OTHER NEW GRASSED AREAS OF THE PROJECT. INCLUDE COSTS OF REMOVAL OF ESC MEASURES IN OTHER ITEMS.

9. ALL ESC MEASURES SHALL BE CHECKED BEFORE AND AFTER ALL RAIN EVENTS, AND DAILY DURING PROLONGED RAINFALL, TO ENSURE MEASURES ARE WORKING PROPERLY.

10. SEDIMENT DEPOSITS SHALL BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.

11. AS NECESSARY, PROVIDE TEMPORARY CONSTRUCTION ACCESS(ES) AT THE POINT(S) WHERE CONSTRUCTION VEHICLES EXIT THE CONSTRUCTION AREA. MAINTAIN PUBLIC ROADWAYS FREE OF TRACKED MUD AND DIRT.

12. STRIP TOPSOIL FROM ALL CUT AND FILL AREAS AND STOCKPILE. UPON COMPLETION OF GENERAL GRADING COVER ALL DISTURBED AREAS WITH TOPSOIL, TO A MINIMUM DEPTH OF 4". CONTRACTOR SHALL SUPPLY ADDITIONAL TOPSOIL IF INSUFFICIENT QUANTITIES EXIST ON SITE. ADDITIONAL TOPSOIL SHALL BE PAID FOR UNDER ITEM 203-08.01 "FURNISHING AND SPREADING TOPSOIL (4"THICK)" IN SQUARE YARDS.

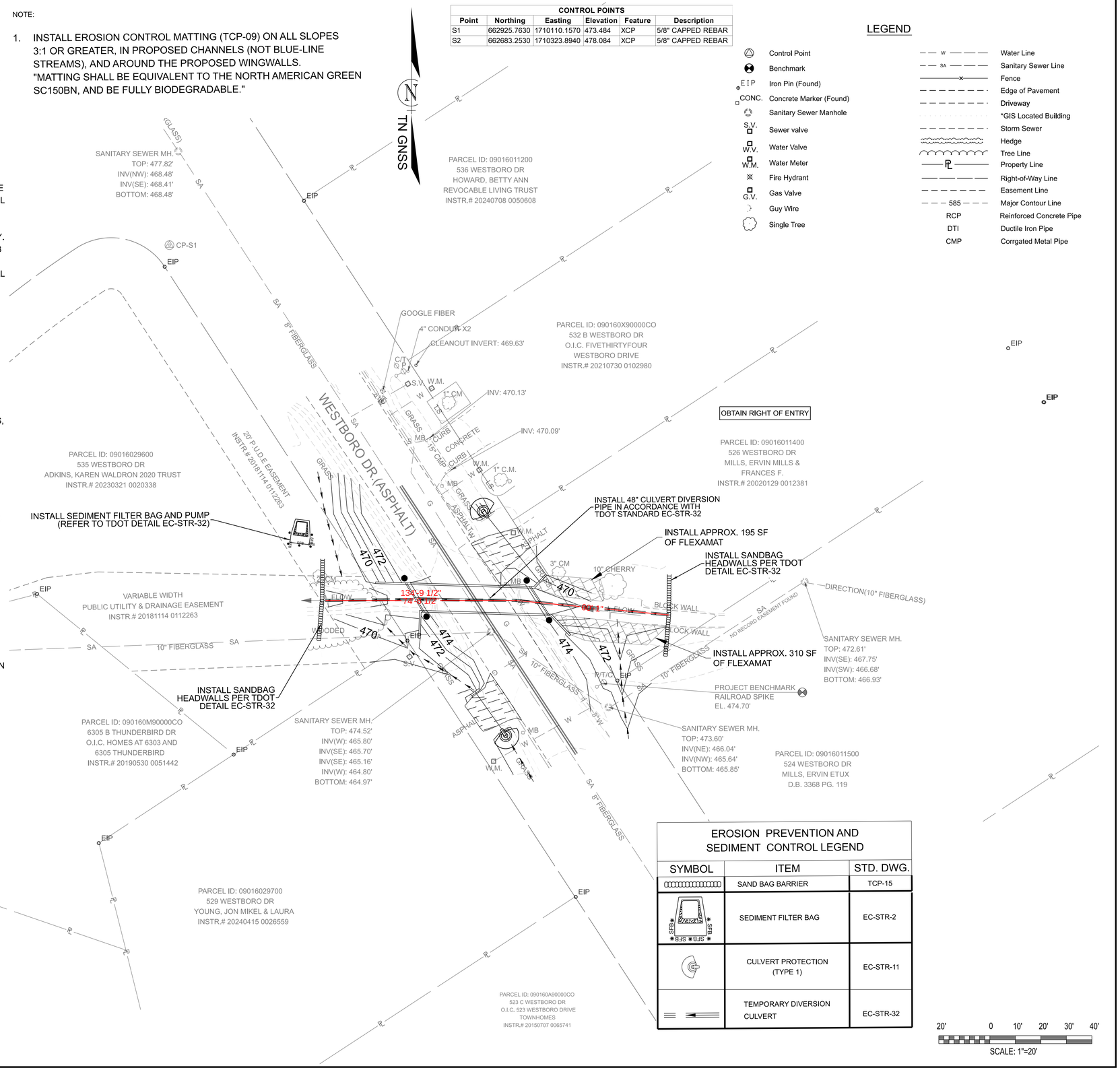
13. ALL ESC MEASURES SHALL BE MAINTAINED UNTIL DISTURBED AREAS ARE STABILIZED.

14. STOCKPILED TOPSOIL OR FILL MATERIAL IS TO BE TREATED SO THE SEDIMENT RUN-OFF WILL NOT CONTAMINATE SURROUNDING AREAS OR ENTER NEARBY STREAMS.

NOTE:

1. INSTALL EROSION CONTROL MATTING (TCP-09) ON ALL SLOPES 3:1 OR GREATER, IN PROPOSED CHANNELS (NOT BLUE-LINE STREAMS), AND AROUND THE PROPOSED WINGWALLS. "MATTING SHALL BE EQUIVALENT TO THE NORTH AMERICAN GREEN SC150BN, AND BE FULLY BIODEGRADABLE."

CONTROL POINTS					
Point	Northing	Easting	Elevation	Feature	Description
S1	662925.7630	1710110.1570	473.484	XCP	5/8" CAPPED REBAR
S2	662683.2530	1710323.8940	478.084	XCP	5/8" CAPPED REBAR



LEGEND

Control Point	Water Line
Benchmark	Sanitary Sewer Line
EIP Iron Pin (Found)	Fence
CONC. Concrete Marker (Found)	Edge of Pavement
Sanitary Sewer Manhole	Driveway
S.V. Sewer valve	*GIS Located Building
W.V. Water Valve	Storm Sewer
W.M. Water Meter	Hedge
Fire Hydrant	Tree Line
G.V. Gas Valve	Property Line
Guy Wire	Right-of-Way Line
Single Tree	Easement Line
	Major Contour Line
	RCP Reinforced Concrete Pipe
	DTI Ductile Iron Pipe
	CMP Corrgated Metal Pipe

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
	SAND BAG BARRIER	TCP-15
SFB SFB SFB SFB	SEDIMENT FILTER BAG	EC-STR-2
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
	TEMPORARY DIVERSION CULVERT	EC-STR-32

20' 0 10' 20' 30' 40'
SCALE: 1"=20'

FILE NO.	WESTBORO DRIVE
DATE:	06-09-2025
DESIGNED BY:	AOS
DRAWN BY:	AOS
CHECKED BY:	DWG
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DATE:	
DATE:	
DATE:	

CONSOR ENGINEERS, LLC
101 WESTPARK DRIVE, SUITE 300
BRENTWOOD, TN 37027
(888) 451-6822

PROJECT NO. 25-SWC-300

SEALED BY

DOUGLAS W. GUTMAN REGISTERED ENGINEER AGRICULTURE COMMERCE No. 116511 STATE OF TENNESSEE
06/13/2025

METROPOLITAN GOVERNMENT
OF NASHVILLE & DAVIDSON COUNTY, TENNESSEE
METRO WATER SERVICES
STORMWATER DIVISION

WESTBORO DRIVE STORMWATER IMPROVEMENTS

EPSC LAYOUT

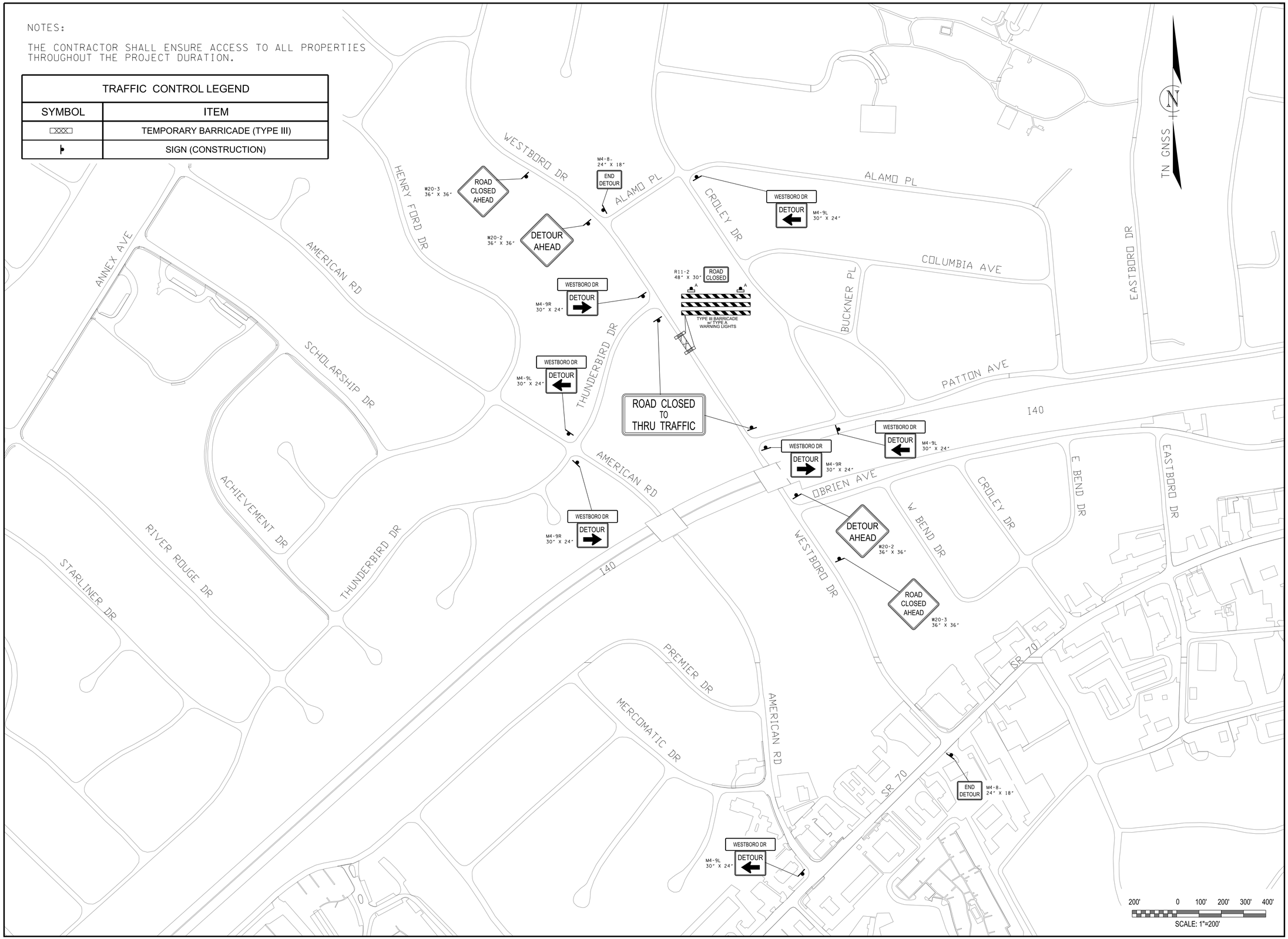
SCALE: 1" = 20'

SHEET 06 OF 11

NOTES:

THE CONTRACTOR SHALL ENSURE ACCESS TO ALL PROPERTIES THROUGHOUT THE PROJECT DURATION.

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
▭	TEMPORARY BARRICADE (TYPE III)
⊢	SIGN (CONSTRUCTION)



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DATE:	
DATE:	

CONSOR ENGINEERS, LLC
101 WESTPARK DRIVE, SUITE 300
BRENTWOOD, TN 37027
(888) 451-6822

PROJECT NO. 25-SWC-300

SEALED BY

DOUGLAS W. GUTMAN
REGISTERED ENGINEER
No. 118173
STATE OF TENNESSEE
06/13/2025

METROPOLITAN GOVERNMENT
OF NASHVILLE & DAVIDSON COUNTY, TENNESSEE
METRO WATER SERVICES
STORMWATER DIVISION

WESTBORO DRIVE STORMWATER IMPROVEMENTS

TRAFFIC CONTROL PLAN

SCALE: 1" = 200'

SHEET 07 OF 11

GENERAL NOTES:

1. 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).

2. The Contractor shall obtain and comply 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.

3. 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 payment 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.

5. 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 Critera Section 9.2 Separation of Water Mains and Sewers. When a conflict exists and proper separation is not attainable, the Contractor shall coordinate with MWS 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 copper.

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 requires an additional sampling protocol that will delay the replacement of the service line 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 incidental and should be incorporated into the price of other bid 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 approved 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 shall 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 further clarification and direction on the requirement: http://nepis.epa.gov/adobe/pdf/p100grdz.pdf.

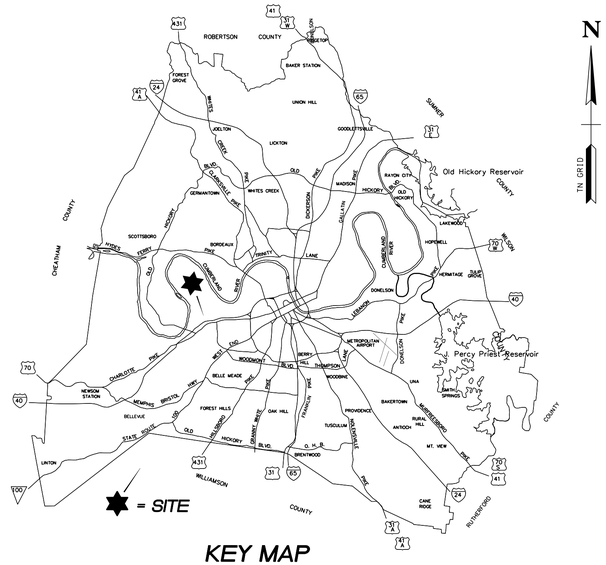
16. If a water main, or other MWS system component, requires relocation or addition and is not indicated on the approved drawings, the Contractor shall notify MWS immediately. Prior to relocation, the drawings shall require: modification depicting the relocation, approval from a registered professional engineer and the appropriate regulatory agencies, and a MWS based project number assigned.

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 cleanup 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.

20. 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).



KEY MAP

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:

Water Details
- WDET002 (Standard 0.75 Meter and Box)
- WDET010 (Crossing under Obstructions)
- WDET010B (Creek Crossing For Water Mains)
- WDET010C (Thrust Collar (Reverse Kicker))
- WDET011 (Service Line Detail)

Sewer Details
- SDET020 (Sewer (Small Size) Cast Iron Valve Box Frame and Cover)

UTILITY OWNERS

WATER & SANITARY SEWER:	INSPECTION:	STORM WATER:	STREETS:	NASHVILLE DEPT. OF TRANSPORTATION:	ADA:
METRO WATER & SEWER	METRO WATER & SEWER	METRO WATER & SEWER	NASHVILLE DEPT. OF TRANSPORTATION	750 SOUTH 5TH STREET	ADA COMPLIANCE DIVISION
1600 2nd AVENUE NORTH	1600 2ND AVENUE NORTH	1600 2nd AVENUE NORTH	740 SOUTH 5TH STREET	NASHVILLE, TN 37206	730 2ND AVE S
NASHVILLE, TN 37208	NASHVILLE, TN 37208	NASHVILLE, TN 37208	NASHVILLE, TN 37206	CONTACT PERSON:	NASHVILLE, TN 37210
CONTACT PERSON:	CONTACT PERSON:	CONTACT PERSON:	CONTACT PERSON:	RORY ROWAN	CONTACT PERSON:
MICHAEL MORRIS	JUSTIN PENDLEY, PE	RICKY SWIFT	MIKE DAVIS	(615) 862-8782	JERRY HALL
(615) 862-4570	(615) 862-4555	(615) 862-4784	(615) 862-8760	rory.rowan@nashville.gov	(615) 862-8744
michael.morris@nashville.gov	justin.pendley@nashville.gov	ricky.swift@nashville.gov	mike.davis@nashville.gov		jerry.hall@nashville.gov

TELEPHONE:	ELECTRIC:	GAS:	CABLE:	FIBER:	TELECOMMUNICATIONS:
AT&T	NASHVILLE ELECTRIC SERVICE	PIEDMONT GAS	COMCAST	GOOGLE FIBER	VERIZON
333 COMMERCE ST., 23RD FLOOR	1214 CHURCH STREET	83 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 BOLTON	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	jsipes@nespower.com	don.nevils@duke-energy.com	NAS-NashvilleConstructionBetterments@comcast.com	gfiber-bna-relocations@google.com	derek.r.dee@verizon.com

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 _____

_____ _____
Date MWS Engineer

This approval expires one year from date shown below

FILE NO.	WESTBORO DRIVE
DATE:	06-09-2025
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
(888) 451-6822

MWS PROJECT NUMBER:
25WC0050
PROJECT NO. 25-SWC-300

SEALED BY

DOUGLAS W. GUTMAN REGISTERED ENGINEER No. 118731 STATE OF TENNESSEE AGRICULTURE COMMERCE
06/13/2025

METROPOLITAN GOVERNMENT
OF NASHVILLE & DAVIDSON COUNTY, TENNESSEE
METRO WATER SERVICES
STORMWATER DIVISION

WESTBORO DRIVE STORMWATER IMPROVEMENTS

UTILITY NOTES & DETAILS

SCALE: N.T.S.

SHEET 08 OF 11

UTILITY NOTES:

1. PRIOR TO CONSTRUCTION, THE CONTRACTOR MUST FIELD VERIFY IF PROPOSED WATER/SEWER ADJUSTMENTS ARE NECESSARY. A MWS REPRESENTATIVE MUST BE PRESENT.

2. PROVIDE THRUST COLLARS FOR ALL UNRESTRAINED PIPES.

3. BACKFILL EXCAVATION AND BETWEEN THE PROPOSED SLAB BRIDGE AND SANITARY SEWER WITH FLOWABLE FILL AT POINTS OF CROSSING.

LEGEND

	Benchmark	W	Water Line
	Control Point	G	Gas Line
EIP	Iron Pin	SA	Sanitary Sewer Line
CONC.	Concrete Monument		Storm Pipe
	Sanitary Sewer Manhole		Private Retaining Wall
W.M.	Water Meter		Edge of Pavement
S.V.	Sewer Valve		Driveway
	Utility Pole W/Light		Guardrail (DAMAGED)
	Utility Pole		Tree Drip Line
	Guy Wire	P/L	Property Line
	Utility Box		Right-of-Way Line
MB	Mail Box		Easement Line
	Single Post Sign	473	Major Contour Line
	Single Tree		Minor Contour Line
	Bush		
LS	Landscape		
CM	Crepe Myrtle		

CONTROL POINTS					
Point	Northing	Easting	Elevation	Feature	Description
S1	662925.7630	1710110.1570	473.484	XCP	5/8" CAPPED REBAR
S2	662683.2530	1710323.8940	478.084	XCP	5/8" CAPPED REBAR

TN GNSS

DIRECTION(8" FIBERGLASS)

SANITARY SEWER MH.
TOP: 477.82'
INV(NW): 468.48'
INV(SE): 468.41'
BOTTOM: 468.48'

PARCEL ID: 09016011200
536 WESTBORO DR
HOWARD, BETTY ANN
REVOCABLE LIVING TRUST
INSTR.# 20240708 0050608

CP-S1

GOOGLE FIBER

4" CONDUIT X2

CLEANOUT INVERT: 469.63'

POTENTIAL GAS MAIN TO BE RELOCATED BY OTHERS AS NEEDED

PARCEL ID: 090160X90000CO
532 B WESTBORO DR
O.I.C. FIVETHIRTYFOUR
WESTBORO DRIVE
INSTR.# 20210730 0102980

VERTICALLY ADJUST WATER METER & CONNECT TO PROPOSED MAIN (AS NECESSARY)

OBTAIN RIGHT OF ENTRY

INV: 470.13'

INV: 470.09'

WESTBORO DR (ASPHALT)

64S0001A

226FB095

PARCEL ID: 09016011400
526 WESTBORO DR
MILLS, ERVIN MILLS &
FRANCES F.
INSTR.# 20020129 0012381

PARCEL ID: 09016029600
535 WESTBORO DR
ADKINS, KAREN WALDRON 2020 TRUST
INSTR.# 20230321 0020338

20' P.U.D.E EASEMENT
INSTR.# 20181114 0117457

PROPOSED BOTTOM OF FOOTER = 468.39
TOP OF SANITARY SEWER = 466.75
PROPOSED VERTICAL CLEARANCE = 1.64'

PROPOSED BOTTOM OF FOOTER = 467.42
TOP OF SANITARY SEWER = 466.19
PROPOSED VERTICAL CLEARANCE = 1.23'

POTENTIAL WATER MAIN & SERVICE LINE CONFLICT. CONTRACTOR SHALL VERTICALLY ADJUST 8" WATER MAIN WITH A 8" RJ-DIP CL 350 WATER MAIN FOR APPROXIMATELY 55' (AS REQUIRED). MAINTAIN MIN. 24" VERTICAL SEPARATION FROM THE SLAB BRIDGE.

VARIABLE WIDTH
PUBLIC UTILITY & DRAINAGE EASEMENT
INSTR.# 20181114 0112263

62S00066

10" CHERRY

3" CM

DIRECTION(10" FIBERGLASS)

SANITARY SEWER MH.
TOP: 472.61'
INV(SE): 467.75'
INV(SW): 466.68'
BOTTOM: 466.93'

NO RECORD EASEMENT FOUND

PROJECT BENCHMARK
RAILROAD SPIKE
EL. 474.70'

SANITARY SEWER MH.
TOP: 466.27'
INV(E): 461.61'
INV(W): 461.58'
BOTTOM: 461.66'

VERTICALLY ADJUST SANITARY SEWER VALVE (AS NECESSARY)

SANITARY SEWER MH.
TOP: 474.52'
INV(W): 465.80'
INV(SE): 465.70'
INV(SE): 465.16'
INV(W): 464.80'
BOTTOM: 464.97'

SANITARY SEWER MH.
TOP: 473.60'
INV(NE): 466.04'
INV(NW): 465.64'
BOTTOM: 465.85'

PARCEL ID: 09016011500
524 WESTBORO DR
MILLS, ERVIN ETUX
D.B. 3368 PG. 119

VERTICALLY ADJUST WATER METER & CONNECT TO PROPOSED MAIN (AS NECESSARY)

PROPOSED 10'x4' SLAB BRIDGE
L = 49.5 LF

PARCEL ID: 090160M90000CO
6305 B THUNDERBIRD DR
O.I.C. HOMES AT 6303 AND
6305 THUNDERBIRD
INSTR.# 20190530 0051442

PARCEL ID: 09016029700
529 WESTBORO DR
YOUNG, JON MIKEL & LAURA
INSTR.# 20240415 0026559

PARCEL ID: 090160A90000CO
523 C WESTBORO DR
O.I.C. 523 WESTBORO DRIVE
TOWNHOMES
INSTR.# 20150707 0065741

20' 0 10' 20' 30' 40'
SCALE: 1"=20'

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 _____

Date _____ MWS Engineer _____

This approval expires one year from date shown below

FILE NO.	WESTBORO DRIVE
DATE:	06-09-2025
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
(888) 451-6822

MWS PROJECT NUMBER:
25WC0050
PROJECT NO. 25-SWC-300

SEALED BY

DOUGLAS W. GUTMAN
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 116173
STATE OF TENNESSEE
06/13/2025

METROPOLITAN GOVERNMENT
OF NASHVILLE & DAVIDSON COUNTY, TENNESSEE
METRO WATER SERVICES
STORMWATER DIVISION

WESTBORO DRIVE STORMWATER IMPROVEMENTS

UTILITY LAYOUT

SCALE: 1" = 20'

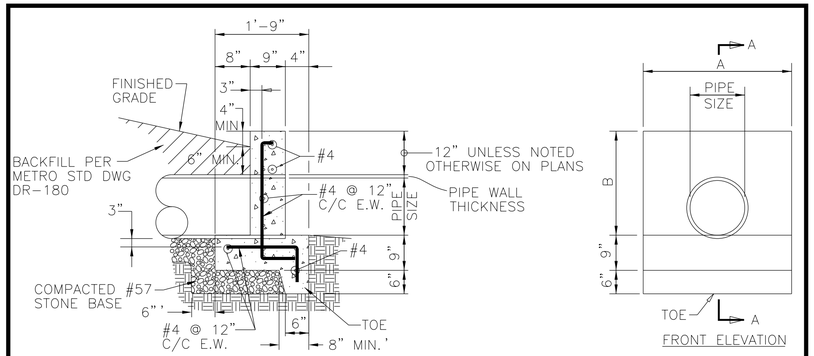
SHEET 09 OF 11

STANDARD DETAILS:

Applicable details for this project include:

MWS/NDOT DETAILS:
- DR-180 (Trench Backfill)
- 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-11 (Culvert Protection Type 1)
- 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-17-14 (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-17-114 (Standard Reinforced Concrete Slab Bridge Interior Section: 1 Barrel At 10'-0" Clear Height 4'-0" through 6'-0" Thru 60' Fill)



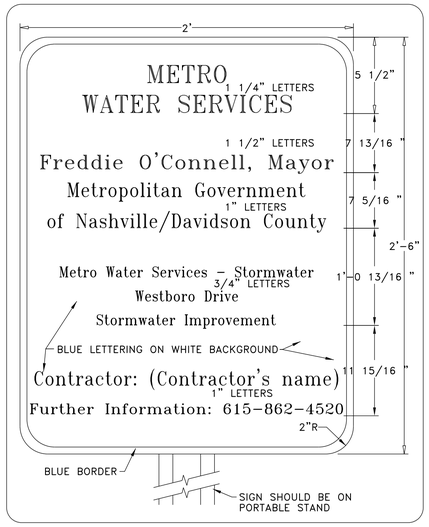
SECTION A–A

TABLE OF DIMENSIONS		
PIPE SIZES	A	B
15"	3'–8"	2'–6"
18"	3'–11"	2'–9"
21"	4'–3"	3'–0"
24"	4'–6"	3'–3"
30"	5'–3"	3'–10"
36"	5'–10"	4'–4"
42"	6'–5"	4'–11"
48"	7'–0"	5'–5"
54"	7'–5"	6'–0"
60"	8'–0"	6'–7"

NOTES
1. CONCRETE: TDOT CLASS A CONCRETE
2. STEEL: ASTM GR 60
3. 3/4" CHAMFER ON ALL EXPOSED EDGES.
4. MINIMUM COVER OVER ALL STEEL REINFORCEMENT SHALL BE 3".
5. A MIN. 6" CLEAR HEIGHT ABOVE DRIVEWAY IS REQUIRED.

* SEE STRUCTURAL TABLE FOR DEMINSION "A".

STRAIGHT HEADWALL FOR CIRCULAR PIPE
(N.T.S.)



METROPOLITAN GOVERNMENT OF NASHVILLE AND DAVIDSON COUNTY DEPARTMENT OF WATER AND SEWERAGE SERVICES		SMALL CONSTRUCTION SIGN
NOT TO SCALE	DATE: 12/27/01	DWG. NO. CON–SIGN–SM

FILE NO.	WESTBORO DRIVE
DATE:	06-09-2025
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
(888) 451-6822

PROJECT NO. 25-SWC-300

SEALED BY

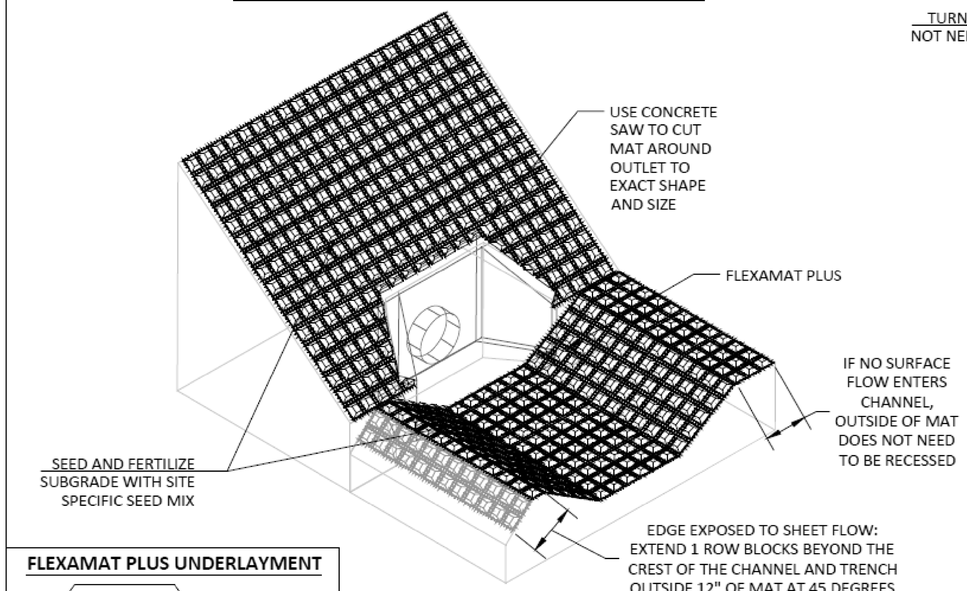
METROPOLITAN GOVERNMENT
OF NASHVILLE & DAVIDSON COUNTY, TENNESSEE
METRO WATER SERVICES
STORMWATER DIVISION

WESTBORO DRIVE STORMWATER IMPROVEMENTS

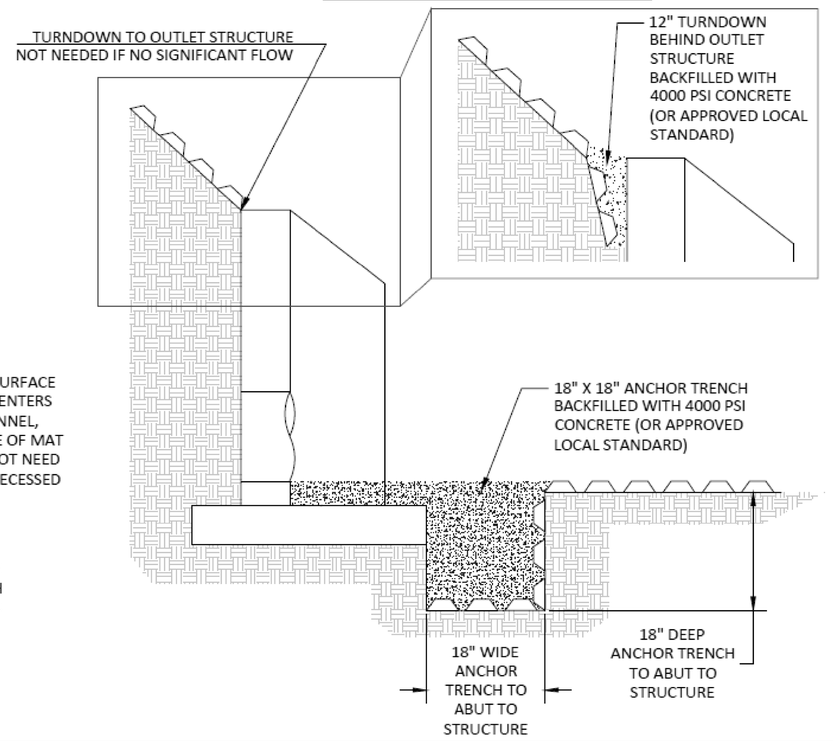
STANDARD DETAILS

SCALE: N.T.S.

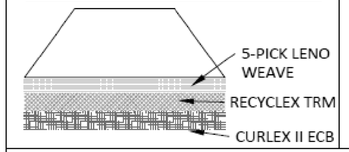
ISOMETRIC VIEW OF OUTLET AND SLOPE PROTECTION



PROFILE VIEW OF ANCHOR TRENCHES



FLEXAMAT PLUS UNDERLAYMENT



FLEXAMAT PLUS - OUTLET ARMORING

CONSTRUCTION NOTES:

1. GRADE CHANNEL SO THAT WATER WILL FLOW DOWN CENTER OF THE CHANNEL AND BE CONTAINED TO THE CHANNEL. ALL SUBGRADE SURFACES PREPARED FOR PLACEMENT OF MATS SHALL BE SMOOTH AND FREE OF ALL ROCKS, STICKS, ROOTS, OTHER PROTRUSIONS, OR DEBRIS OF ANY KIND. THE PREPARED SURFACE SHALL PROVIDE A FIRM UNYIELDING FOUNDATION FOR THE MATS.
2. PRIOR TO FLEXAMAT PLUS INSTALLATION SEED AND FERTILIZER SUBGRADE WITH SITE SPECIFIC SEED MIX IN ACCORDANCE WITH THE PROJECT PLANS AND SPECIFICATIONS.
3. INSTALL FLEXAMAT ROLLS. AVAILABLE WIDTHS ARE 4', 5.5', 8', 10', 12', AND 16' AVAILABLE IN CUSTOM LENGTHS. FOR WIDTHS WIDER THAN 16', INSTALL 15.5' WIDE MAT WITH 12" GEOGRID EXTENSION AND 6" UNDERLAYMENT EXTENSION.
   - 3.1. WHERE POSSIBLE AVOID LONGITUDINAL ABUTMENT SEAMS IN CHANNEL BOTTOM.
   - 3.2. FOR OUTLET PROTECTION WIDER THAN 16' SEE CHANNEL PARALLEL TO FLOW INSTALLATION DETAIL.
   - 3.3. FOR OUTLET PROTECTION THAT REQUIRES MORE THAN 1 MAT IN LENGTH TO COVER CHANNEL SEE CHANNEL PARALLEL TO FLOW INSTALLATION DETAIL.
4. AT THE BEGINNING OF CHANNEL, THE INITIAL LEADING EDGE OF FLEXAMAT EXPOSED TO CONCENTRATED FLOW SHALL BE EMBEDDED 18" VERTICALLY INTO ANCHOR TRENCH. THE TRENCH SHALL BE FILLED WITH 4,000 PSI CONCRETE.
5. AT THE END OF THE ARMORED CHANNEL, EMBED THE MAT 18" IN A TERMINATION TRENCH. FILL AND COMPACT TERMINATION TRENCH WITH A COHESIVE FILL.

GUIDANCE TABLE FOR STORMWATER OUTFALL PROTECTION

PIPE DIAMETER		FLEXAMAT WIDTH	FLEXAMAT LENGTH (*MIN)
12"	8 CFS	5.5'	5'
18"	20 CFS	8'	8'
24"	30 CFS	8'	10'
36"	75 CFS	12'	16'
48"	100 CFS	16'	20'
60"	150 CFS	20'	25'

*CONSULT MANUFACTURER FOR GUIDANCE IF DESIGN DISCHARGE VARIES SIGNIFICANTLY FROM VALUES LISTED IN TABLE.
*LENGTH OF PROTECTION WILL VARY ON THE LENGTH OF THE SLOPE, DEGREE OF SLOPE, OR IF IT IS DISCHARGING ONTO A FLAT AREA. OUTFALLS DISCHARGING ONTO SLOPES, IT IS RECOMMENDED TO EXTEND FLEXAMAT PLUS THE LENGTH OF THE SLOPE AND 3' PAST THE TOE.

MOTZ ENTERPRISES, INC.
Flexamat
(513)772-6689
Info@Flexamat.com
Flexamat.com

Flexamat® PERMANENT EROSION CONTROL

REV - 1

FILE NO.	WESTBORO DRIVE
DATE:	06-09-2025
DESIGNED BY:	AOS
DRAWN BY:	AOS
CHECKED BY:	DWG
REVISION BLOCK	
DATE:	
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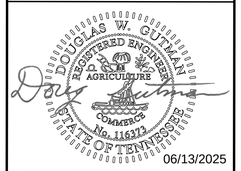

06/13/2025

METROPOLITAN GOVERNMENT
OF NASHVILLE & DAVIDSON COUNTY, TENNESSEE
METRO WATER SERVICES
STORMWATER DIVISION

WESTBORO DRIVE STORMWATER IMPROVEMENTS

STANDARD DETAILS

SCALE: N.T.S.

SHEET 11 OF 11