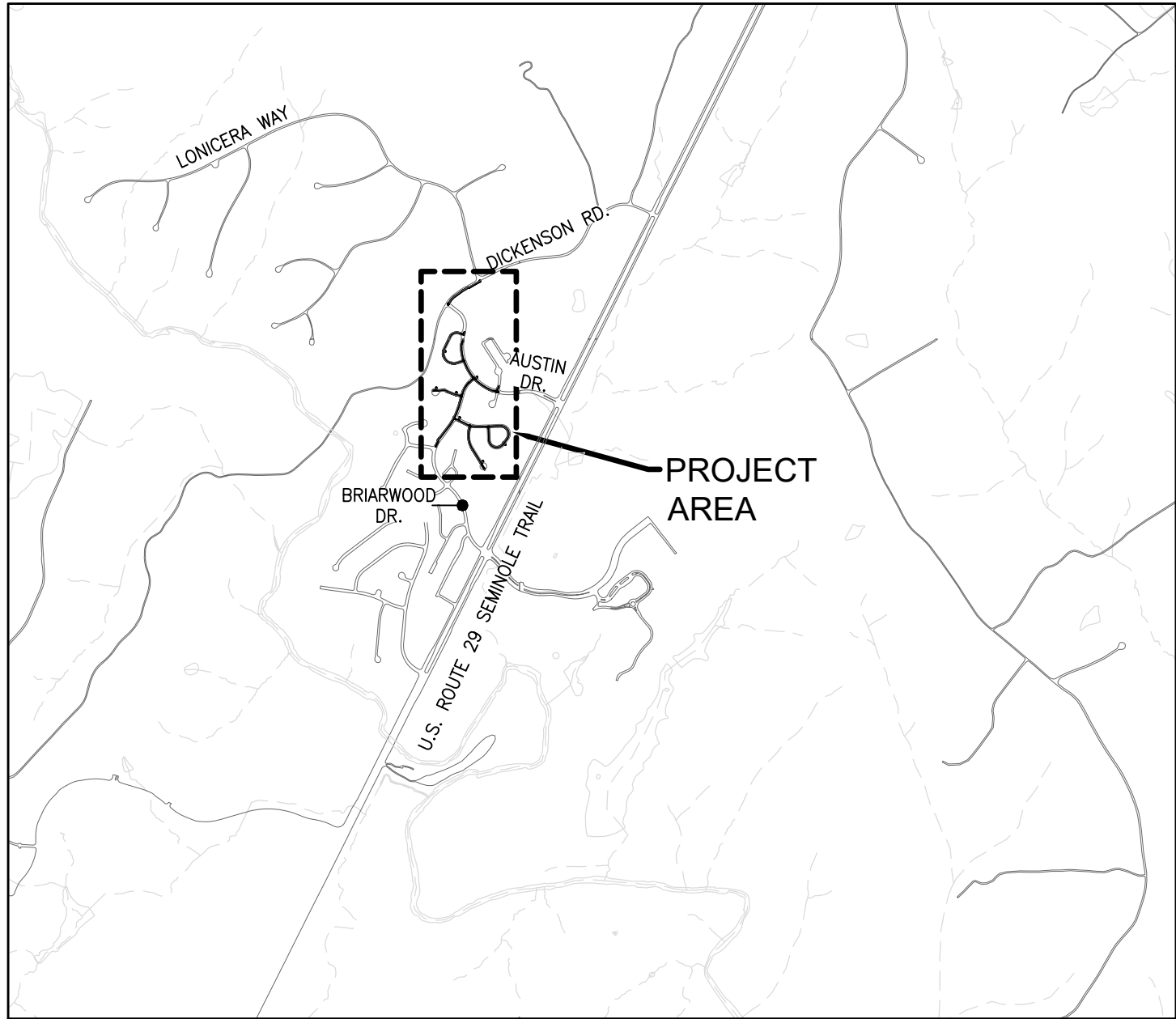


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\\RAMC\FLE\PROJECTS\ALBEMARLE-CO\1087705\1940100728\BRIARWOOD-WM\DIGITAL_DESIGNS\SHEETS\1940100728-T-001.DWG



VICINITY MAP
SCALE: 1" = 2000'

OWNER: ALBEMARLE COUNTY SERVICE AUTHORITY
168 SPOTNAP ROAD
CHARLOTTESVILLE, VA 22911
PHONE: 434-977-4511 EXT. 118
FAX: 434-979-0698
CONTACT: JOHN E. ANDERSON, PE
EMAIL: janderson@serviceauthority.org

AGENT: RAMBOLL
4435 WATERFRONT DRIVE
SUITE 304
GLEN ALLEN, VA 23060
PHONE: 804-822-4219
CONTACT: DON S. SIMMONS
EMAIL: don.simmons@ramboll.com

TAX MAP: 20, 32

PARCEL NUMBER: N/A

MAGISTERIAL DISTRICT: NORTHSIDE

COUNTY: ALBEMARLE COUNTY

STATE: VIRGINIA

USE: WATER MAIN REPLACEMENT PROJECT

ZONING: N/A

VARIANCES: N/A

ZONING PROFFERS: N/A

SOURCE OF TOPOGRAPHY: TOPOGRAPHIC SURVEY PERFORMED BY LINCOLN SURVEYING FROM MARCH THROUGH JULY OF 2021 AND JANUARY OF 2022. HORIZONTAL AND VERTICAL DATUM ARE NAD 83(92) AND NAVD88, US SURVEY FEET.

TOTAL SITE ACREAGE: N/A

TOTAL DISTURBED AREA: N/A

BUILDING AREA/NO. OF STORIES/HEIGHT: N/A

CONTRACT DOCUMENTS

BRIARWOOD WATER MAIN REPLACEMENT

APPROVALS	SIGNATURE	DATE
DEPARTMENT OF COMMUNITY DEVELOPMENT		
PLANNER/ZONING		
ENGINEER		
INSPECTIONS		
ARB		
DEPARTMENT OF FIRE RESCUE		
ALBEMARLE COUNTY SERVICE AUTHORITY		
VIRGINIA DEPARTMENT OF TRANSPORTATION		
HEALTH DEPARTMENT		

ACSA PROJECT NO. 2021-01 ALBEMARLE COUNTY SERVICE AUTHORITY ALBEMARLE COUNTY, VA

MARCH 2025

NOTE: ALL IMPROVEMENTS SHALL COMPLY WITH THE CURRENT EDITION OF THE ALBEMARLE COUNTY SERVICE AUTHORITY'S GENERAL WATER AND SEWER CONSTRUCTION SPECIFICATIONS. IF THERE ARE ANY DISCREPANCIES BETWEEN THE PROJECT SPECIFICATIONS AND THE ALBEMARLE COUNTY SERVICE AUTHORITY'S GENERAL WATER AND SEWER CONSTRUCTION SPECIFICATIONS, THE MORE STRINGENT REQUIREMENT SHALL GOVERN.

SHEET INDEX

SHEET NUMBER	SHEET TITLE
GENERAL	
T-1	COVER SHEET
G-1	GENERAL NOTES
G-2	LEGEND AND KEY PLAN
G-3	SCHEDULES AND TABLES
CIVIL	
C-1	PLAN AND PROFILE - AUSTIN DR. STA. 0+00 TO STA. 6+00
C-2	PLAN AND PROFILE - AUSTIN DR. STA. 6+00 TO STA. 10+46 AND BLUE JAY WAY
C-3	PLAN AND PROFILE - FINCH CT. STA. 0+00 TO STA. 3+82
C-4	PLAN AND PROFILE - BRIARWOOD DR. STA. 0+00 TO STA. 5+00
C-5	PLAN AND PROFILE - BRIARWOOD DR. STA. 5+00 TO STA. 9+80
C-6	PLAN AND PROFILE - WHITNEY CT. STA. 0+00 TO STA. 4+00
C-7	PLAN - WHITNEY CT. STA. 4+00 TO STA. 14+26
C-8	PROFILE - WHITNEY CT. STA. 4+00 TO STA. 14+26
C-9	PLAN AND PROFILE - HEATHER CT. STA. 0+00 TO STA. 5+00
C-10	PLAN AND PROFILE - HEATHER CT. STA. 5+00 TO STA. 6+80
C-11	PLAN AND PROFILE - WREN CT. STA. 0+00 TO STA. 4+50
C-12	PLAN AND PROFILE - WREN CT. STA. 4+50 TO STA. 7+62
C-13	PLAN AND PROFILE - DICKERSON RD. STA. 0+00 TO STA. 5+36
C-14	DETAILS
C-15	DETAILS
C-16	PAVEMENT PLAN 1
C-17	PAVEMENT PLAN 2
C-18	PAVEMENT RESTORATION AND TRAFFIC CONTROL DETAILS



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ENGINEER, TO ALTER THIS DOCUMENT.

THIS DRAWING WAS PREPARED AT THE SCALE INDICATED. INACCURACIES IN THE STATED SCALE MAY BE INTRODUCED WHEN DRAWINGS ARE REPRODUCED BY ANY MEANS. USE THE GRAPHIC SCALE BAR TO DETERMINE THE ACTUAL SIZE. DRAWING IS NOT SCALABLE IF NO SCALE BAR IS PRESENT.

CLIENT
**ALBEMARLE COUNTY
SERVICE AUTHORITY**

NO.	DATE	REVISION	INT.
1	03/06/2025	REISSUED FOR BID	MLH

DESIGNER / PROFESSIONAL ENGINEER RESPONSIBLE	
MLH	
DESIGNED BY	FILE NO.
DSS	1087705.1940100728
CHECKED BY	DATE
RJD	MARCH 2025
DRAWN BY	
RPW	

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY



PROJECT
BRIARWOOD WATER MAIN REPLACEMENT

ADDRESS
BRIARWOOD SUBDIVISION - ALBEMARLE COUNTY, VIRGINIA

SHEET DESCRIPTION
COVER SHEET

DRAWING LOCATION
CHARLOTTESVILLE VIRGINIA

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GENERAL NOTES

EROSION CONTROL & WORK AREA PROTECTION AND MAINTENANCE

- UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE TO THE MINIMUM STANDARDS AND SPECIFICATIONS OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK.
- ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO OR AS THE FIRST STEP TO LAND DISTURBING ACTIVITIES AND SHALL BE MADE FUNCTIONAL BEFORE UPSLOPE LAND DISTURBANCE TAKES PLACE.
- CONTRACTOR SHALL PLACE ADDITIONAL SILT FENCE AROUND ALL SOIL AND GRAVEL STOCKPILES.
- ALL DISTURBED AREAS ARE TO DRAIN TO SEDIMENT CONTROL MEASURES AT ALL TIMES DURING LAND DISTURBING ACTIVITIES UNTIL FINAL STABILIZATION IS ACHIEVED.
- CONTRACTOR SHALL PROVIDE DEWATERING OPERATIONS AS NECESSARY TO MAINTAIN A CLEAN, DRY TRENCH. DURING DEWATERING OPERATIONS, WATER SHALL BE PUMPED INTO AN APPROVED FILTERING DEVICE. EFFLUENT SHALL BE DISCHARGED IN A MANNER THAT DOES NOT ADVERSELY AFFECT FLOWING STREAMS OR OFF-SITE PROPERTIES.
- CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODICALLY AND AFTER EACH RAINFALL EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF THE EROSION CONTROL DEVICES SHALL BE MADE IMMEDIATELY, AT NO ADDITIONAL COST TO THE CONTRACT.
- AT THE COMPLETION OF CONSTRUCTION, ALL SEDIMENT CONTROLS SHALL BE REMOVED AND ALL AREAS SHALL BE STABILIZED.
- UNLESS OTHERWISE NOTED, UNDERGROUND UTILITY LINES SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING STANDARDS IN ADDITION TO OTHER APPLICABLE CRITERIA:
 - NO MORE THAN 300 LINEAR FEET OF TRENCH MAY BE OPENED AT ONE TIME.
 - EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF TRENCHES.
 - RESTALLIZATION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND APPLICABLE STANDARDS.
 - APPLICABLE SAFETY REGULATIONS SHALL BE COMPLIED WITH.
- IN GENERAL, ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CHECKED DAILY AND AFTER EACH SIGNIFICANT RAINFALL. THE CONTRACTOR SHALL PERFORM THE DETAILED MAINTENANCE INSTRUCTIONS OUTLINED IN THE HANDBOOK FOR EACH STRUCTURAL AND VEGETATIVE MEASURE PROVIDED. THE FOLLOWING ITEMS SHALL BE CHECKED IN PARTICULAR:
 - EROSION CONTROL STRUCTURES SHALL BE CLEANED WHEN THEY REACH 50% CAPACITY.
 - SEEDED AREAS SHALL BE CHECKED REGULARLY TO ENSURE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED, RESEEDDED AND MULCHED AS NEEDED.
 - ALL ADJACENT ROADWAYS SHALL BE KEPT CLEAN. FILL SHALL NOT BE SPILLED INTO THE ROADWAY.
 - THE CONTRACTOR SHALL PROVIDE DUST CONTROL AS REQUIRED.
 - THE AREAS OF CONSTRUCTION SHALL REMAIN IN STABLE CONDITIONS AT THE CLOSE OF EACH DAY. EROSION CONTROLS SHALL BE MONITORED AT THIS TIME, MAINTAINED AND REPAIRED OR REPLACED IF NECESSARY.
 - AN ADEQUATE RESERVE OF EROSION CONTROL MATERIALS SHALL BE ON SITE AT ALL TIMES FOR EMERGENCY OR ROUTINE REPLACEMENT AND SHALL INCLUDE MATERIAL TO REPAIR SILT FENCES AND OTHER DEVICES USED TO STABILIZE THE SITES.
 - THE CONTRACTOR SHALL PROTECT EXISTING VALVES, MANHOLES, ETC. FROM BEING COVERED.
- TOPSOIL AND SEEDING REQUIREMENTS ARE AS FOLLOWS:
 - THE CONTRACTOR SHALL PROVIDE PERMANENT SEEDING FOR ALL AREAS DISTURBED BY CONTRACTOR'S ACTIVITIES, INCLUDING BUT NOT LIMITED TO, DISTURBED LAWN AREAS, GRASS MEDIANS, GRASS LINED AND VEGETATIVE LINED DITCHES, ETC.
 - TOPSOIL, SEEDING RATES, FERTILIZER AND TOPSOIL PREPARATION REQUIRED ARE AS SPECIFIED IN THE CONTRACT DOCUMENTS.
- CONTRACTOR SHALL, AT ITS OWN EXPENSE, MAINTAIN THE WORK SITE IN A CLEAN AND ORDERLY APPEARANCE AT ALL TIMES. ALL DEBRIS AND SURPLUS MATERIAL COLLECTED SHALL BE DISPOSED OF OFF THE WORK SITE BY CONTRACTOR, AT ITS OWN EXPENSE.
- EXISTING LAWNS, TREES, SHRUBS, FENCES, UTILITIES, CULVERTS, WALLS, WALKS, DRIVEWAYS, POLES, SIGNS, RIGHT-OF-WAY MONUMENTS, MAILBOXES AND THE LIKE SHALL BE PROTECTED FROM DAMAGE DURING THE WORK. ANY DAMAGE CAUSED TO SUCH ITEMS SHALL BE REPAIRED OR REPLACED BY CONTRACTOR AT NO ADDITIONAL COST. ALL PROPERTY PINS DISTURBED BY CONTRACTOR, WHETHER OR NOT THEY ARE DEPICTED IN THE SITE BASEMAP, SHALL BE RESTORED BY A VIRGINIA LICENSED SURVEYOR AT CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL EMPLOY EROSION CONTROL DEVICES AND METHODS AS REQUIRED TO MEET THE REQUIREMENTS AND INTENT OF THE ALBEMARLE COUNTY EROSION CONTROL ORDINANCE AND SHALL COMPLY WITH THE DRAWINGS CONTAINED HEREIN. CONTRACTOR SHALL PROVIDE THE NECESSARY DIVERSION DITCHES, DIKES, TEMPORARY CULVERTS, AND SILT FENCE REQUIRED TO PREVENT MUD AND DEBRIS FROM BEING WASHED ONTO THE STREETS OR PROPERTY. CONTRACTOR'S VEHICLES SHALL BE KEPT CLEAN TO PREVENT MUD OR DUST FROM BEING DEPOSITED ON STREETS.
- CONTRACTOR SHALL CLEAN UP, RESTORE, SEED AND MAINTAIN ALL DISTURBED AREAS IMMEDIATELY UPON COMPLETION OF WORK ON EACH SITE. TOPSOIL, SEED, FERTILIZER AND MULCH SHALL BE PLACED IN ACCORDANCE WITH THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, 3RD EDITION 1992 AND LOCAL STANDARDS ON ALL DISTURBED AREAS. A PERMANENT STAND OF GRASS ADEQUATE TO PREVENT EROSION SHALL BE ESTABLISHED ON ALL AREAS NOT RECEIVING PAVEMENT PRIOR TO FINAL ACCEPTANCE.
- AS DETERMINED BY THE ALBEMARLE COUNTY SERVICE AUTHORITY, ANY DEFECTIVE, FAULTY, CRACKED, OR BROKEN SIDEWALKS, DRIVEWAYS, HANDICAP RAMPS OR CURB & GUTTER AS A RESULT OF THIS CONSTRUCTION SHALL BE REMOVED AND REPLACED PRIOR TO FINAL ACCEPTANCE. NO ADDITIONAL PAYMENT WILL BE MADE FOR SUCH WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR POSTING THE E&S BOND WITH THE COUNTY OF ALBEMARLE AND SHALL BE REQUIRED TO ATTEND PRE-CONSTRUCTION CONFERENCE WITH COUNTY STAFF.

EARTHWORK AND SITE CONDITIONS

- UNLESS OTHERWISE NOTED ON THE PLANS AND/OR IN THE SPECIFICATIONS, ALL FILL MATERIALS SHALL BE COMPACTED TO 95% OF THE MAXIMUM DENSITY, AS DETERMINED BY ASTM D698, AND WITHIN PLUS OR MINUS 2% OF OPTIMUM MOISTURE FOR THE FULL WIDTH AND DEPTH OF THE FILL. ALL FILL MATERIAL UNDER PAVED AREAS SHALL BE VDOT #21B CRUSHED STONE COMPACTED IN 6 INCH DEEP LIFTS AS SHOWN ON THE CONTRACT DOCUMENTS AND/OR AS DIRECTED BY PROJECT INSPECTOR, OR VDOT, OR ALBEMARLE COUNTY SERVICE AUTHORITY PROJECT MANAGER.
- ALL MATERIALS AND INSTALLATION DETAILS SHALL CONFORM TO THE ALBEMARLE COUNTY SERVICE AUTHORITY STANDARDS AND ALL OTHER APPLICABLE ALBEMARLE COUNTY ORDINANCES.
- ANY UNUSUAL OR UNANTICIPATED SUBSURFACE CONDITIONS SHALL BE IMMEDIATELY REPORTED TO THE ALBEMARLE COUNTY SERVICE AUTHORITY.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS AND LOCATIONS PRIOR TO BEGINNING WORK, AND IMMEDIATELY NOTIFY THE ALBEMARLE COUNTY SERVICE AUTHORITY PROJECT MANAGER OR THEIR DESIGNEE IN THE EVENT THERE ARE ANY DISCREPANCIES BETWEEN SUCH CONDITIONS AND THOSE SHOWN ON THE PLANS AND SPECIFICATIONS.
- BENCHMARKS ARE AS NOTED ON DRAWINGS. HORIZONTAL AND VERTICAL DATUM ARE NAD 83 AND NAVD 88, US SURVEY FEET.
- COMPACTION TESTING OF THE SOILS IN VDOT RIGHT OF WAY SHALL BE CONDUCTED BY AN INDEPENDENT AGENCY, AT THE CONTRACTOR'S EXPENSE, WITH THE RESULTS SENT TO VDOT'S CHARLOTTESVILLE (ALBEMARLE COUNTY WORK) RESIDENCY OFFICES.

CONCRETE AND ASPHALT

- ALL MATERIAL INSIDE FORMS SHALL BE CLEAN AND FREE OF ALL ROCKS AND OTHER LOOSE DEBRIS. SUB-BASE MATERIAL SHALL BE COMPACTED BY MECHANICAL MEANS. REMOVE ALL STANDING WATER FROM AREA INSIDE FORMS.
- CONCRETE SHALL NOT BE PLACED UNLESS THE AIR TEMPERATURE IS AT LEAST 40° FAHRENHEIT IN THE SHADE AND RISING. CONCRETE SHALL NOT BE PLACED ON FROZEN SUBGRADE.
- CONCRETE SHALL NOT BE PLACED UNTIL STEEL DOWELS HAVE BEEN INSTALLED IN EXISTING CONCRETE IN ACCORDANCE WITH THE ALBEMARLE COUNTY SERVICE AUTHORITY STANDARDS.
- ALL EXISTING CURBS, CURB & GUTTER, PAVED DITCHES, AND SIDEWALK REMOVED TO FACILITATE INSTALLATION OF WATER MAIN AND/OR ASSOCIATED APPURTENANCES, AND/OR DAMAGED BY THE CONTRACTOR SHALL BE REPLACED TO THE NEAREST JOINT AND IN ACCORDANCE WITH DETAILS SHOWN ON SHEET C-18.
- EXISTING ASPHALT CONCRETE PAVEMENT SHALL BE SAW CUT AND REMOVED AS PER THE SPECIFICATIONS. REMOVAL SHALL BE DONE IN SUCH A MANNER AS TO NOT TEAR, BULGE OR DISPLACE ADJACENT PAVEMENT. EDGES SHALL BE CLEAN AND VERTICAL, IN A SINGLE RECTANGULAR SHAPE AND ALL CUTS SHALL BE PARALLEL OR PERPENDICULAR TO THE DIRECTION OF TRAFFIC.
- DISPOSAL OF ALL EXCESS MATERIAL IS THE RESPONSIBILITY OF CONTRACTOR, AND SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS.
- LIMITS FOR REPAVING ARE DEPICTED ON THE PLANS. ALL AFFECTED STRIPING SHALL BE REPLACED IN ACCORDANCE WITH VDOT STANDARDS. LIMITS FOR MILL AND OVERLAY AT TIE-INS TO EXISTING PAVEMENT SHALL EXTEND A MINIMUM OF 25 FEET BEYOND LIMIT OF TRENCHING OR IMPACTS.
- SUB-BASE MATERIALS IN VDOT RIGHT OF WAY SHALL BE COMPACTED BY MECHANICAL MEANS AND TESTED FOR THE CORRECT BEARING PRESSURE, RECORDED AND SENT TO VDOT.
- FOR CONCRETE THRUST RESTRAINTS, PIPELINES SHALL NOT BE PRESSURIZED UNTIL CONCRETE REACHES FULL STRENGTH.

DRAINAGE

- CONTRACTOR SHALL EXERCISE CARE, ESPECIALLY AT INTERSECTIONS AND GUTTER LINES, TO PROVIDE POSITIVE DRAINAGE. ANY AREAS WHERE WATER IS IMPOUNDED AS A RESULT OF THIS CONSTRUCTION SHALL BE CORRECTED BY CONTRACTOR AT NO ADDITIONAL COST. POSITIVE DRAINAGE OF ALL ROADWAY AREAS TO THE STORM DRAIN INLETS OR OTHER ACCEPTABLE DRAINAGE CHANNELS SHALL BE MAINTAINED AT ALL TIMES.
- CONTRACTOR SHALL MAINTAIN EXISTING STREAMS, DITCHES, DRAINAGE STRUCTURES, CULVERTS AND FLOWS AT ALL TIMES DURING THE WORK. CONTRACTOR SHALL PAY FOR ALL PERSONAL INJURY AND PROPERTY DAMAGE WHICH MAY OCCUR AS A RESULT OF FAILING TO MAINTAIN ADEQUATE DRAINAGE.
- ALL PIPES, DRAINAGE INLETS, AND OTHER STRUCTURES UNCOVERED DURING CONSTRUCTION SHALL BE INSPECTED BY THE SERVICE AUTHORITY BEFORE BEING BACKFILLED OR BURIED. THE SERVICE AUTHORITY MAY REQUIRE CONTRACTOR, AT NO ADDITIONAL COST, TO UNCOVER AND RE-COVER SUCH STRUCTURES IF THEY HAVE BEEN BACKFILLED OR BURIED WITHOUT SUCH INSPECTION.

VEGETATION

- PRIOR TO REMOVING ANY TREES, CONTRACTOR SHALL MEET WITH THE PROPERTY OWNERS AND THE SERVICE AUTHORITY TO REVIEW THE LIMITS OF CONSTRUCTION AND OBTAIN PERMISSION TO REMOVE TREES REQUIRED TO DO THE WORK.
- CONTRACTOR SHALL MAKE EVERY EFFORT TO PROTECT EXISTING VEGETATION. TREE AND PLANT ROOTS OR BRANCHES THAT MAY INTERFERE WITH THE WORK SHALL BE TRIMMED OR CUT ONLY WITH THE APPROVAL OF THE OWNER AND THE SERVICE AUTHORITY. ANY TREES OR PLANTS WHICH ARE SHOWN TO REMAIN THAT DO NOT INTERFERE WITH THE WORK, BUT ARE DAMAGED BY CONTRACTOR OR THEIR SUBCONTRACTORS, SHALL BE REPAIRED OR REPLACED BY CONTRACTOR AT NO ADDITIONAL COST.

TRAFFIC AND SIGNAGE

- THE CONTRACTOR SHALL MAINTAIN VEHICULAR AND PEDESTRIAN ACCESS TO ALL PROPERTY OWNERS ALONG THE PROJECT ALIGNMENT.
- CONTRACTOR SHALL PROVIDE NECESSARY REFLECTORS, BARRICADES, TRAFFIC CONTROL DEVICES AND/OR FLAG PERSONS TO ENSURE THE SAFETY OF ITS WORKERS AND THE PUBLIC AND SHALL COMPLY WITH THE DRAWINGS CONTAINED HEREIN. CONTRACTOR SHALL MAINTAIN SAFE AND PASSABLE PUBLIC ACCESS TO PROPERTIES AND THE PUBLIC RIGHT-OF-WAY DURING CONSTRUCTION.
- EXCEPT AS OTHERWISE AUTHORIZED IN WRITING BY THE SERVICE AUTHORITY, THE WORK SHALL BE COORDINATED AND PERFORMED IN A MANNER SO THAT ALL EXISTING FIRE HYDRANTS SHALL BE ACCESSIBLE AT ALL TIMES DURING THE WORK.
- CONTRACTOR SHALL NOTIFY PROPERTY OWNER(S) FIVE (5) BUSINESS DAYS IN ADVANCE OF BLOCKING ANY EGRESS. NO ENTRY SHALL BE MADE FOR MORE THAN TWELVE (12) HOURS IN ANY 24 HOUR PERIOD WITHOUT APPROVAL OF THE PROPERTY OWNER, EXCEPT WHERE NEW ENTRANCES ARE CONSTRUCTED.
- THE CONTRACTOR SHALL COMPLY WITH VIRGINIA WORK AREA PROTECTION MANUAL AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.

PERMITS

- CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS, NOT SUPPLIED BY OWNER, INSPECTIONS, BONDS (W/ BONDS POSTED BY CONTRACTOR), AND OTHER APPROVAL RELATED ITEMS IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, LOCAL, STATE, AND FEDERAL POLICIES. PERMITS REQUIRED INCLUDE: VDOT LAND USE PERMIT (SUPPLIED BY CONTRACTOR) AND EROSION AND SEDIMENT CONTROL PERMIT (SUPPLIED BY CONTRACTOR).

PROPOSED SEQUENCE OF CONSTRUCTION

- THE PROPOSED SEQUENCE OF CONSTRUCTION HEREIN IS A GUIDELINE ONLY. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR SEQUENCING ALL WORK ACTIVITIES TO MEET SCHEDULE AND REQUIREMENTS FOR CONSTRUCTION SPECIFIED IN THE CONTRACT DOCUMENTS. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT A DETAILED SEQUENCE OF CONSTRUCTION INCLUDING CONSTRUCTION PHASING, TESTING, AND TIE-IN ACTIVITIES. CONTRACTOR SHALL NOTE THAT CERTAIN ELEMENTS OF THIS PROPOSED SEQUENCE ARE REQUIRED IN ORDER TO MAINTAIN BOTH VERTICAL AND HORIZONTAL SEPARATION REQUIREMENTS BETWEEN WATER AND SEWER FACILITIES PER VDH.
- ALL EXISTING WATER MAINS AND SERVICES SHALL REMAIN IN SERVICE DURING CONSTRUCTION.
- INSTALL EROSION AND SEDIMENT CONTROL MEASURES PER PLANS AND IN ACCORDANCE WITH APPLICABLE PERMIT REQUIREMENTS.
- PRIOR TO INITIATING CONSTRUCTION OF THE PROPOSED WATERMAIN, THE CONTRACTOR SHALL TEST PIT AND VERIFY LOCATIONS, ALIGNMENTS AND ELEVATIONS OF EXISTING WATERMAINS, SEWER LATERALS, SERVICE LINES AND OTHER UTILITIES FOR TIE-INS AND UTILITY CROSSINGS. NOTIFY THE OWNER IMMEDIATELY OF ANY DISCREPANCIES SUCH THAT MODIFICATIONS TO THE PROPOSED ALIGNMENT CAN BE MADE, AS REQUIRED, PRIOR TO THE START OF CONSTRUCTION.
- APPROPRIATE TRAFFIC CONTROL MEASURES, INCLUDING SIGNAGE AND DETOURS, SHALL BE INSTALLED AND REMOVED DAILY IN ACCORDANCE WITH VDOT STANDARDS AND THE PLANS CONTAINED HEREIN.
- CONSTRUCT PROPOSED WATER MAIN AND SERVICE CONNECTIONS PER PLANS.
- PRESSURE TEST, DISINFECT, AND SAMPLE PROPOSED WATER MAINS AND SERVICE LINES.
- UPON ACCEPTANCE OF PROPOSED WORK, COORDINATE WITH THE SERVICE AUTHORITY FOR ISOLATION AND TIE-IN OF MAINS AND ALL EXISTING AND PROPOSED SERVICES ALONG THE MAIN. PROVIDE A MINIMUM OF 2 WEEKS NOTICE TO THE SERVICE AUTHORITY TO PROVIDE ISOLATION OF EXISTING MAINS FOR TIE-INS.

- ABANDON EXISTING MAINS USING FLOWABLE CONCRETE FILL AND CAPPING THE REMAINING ENDS AS INDICATED IN PLANS AND DETAILS.
- CONSTRUCT BALANCE OF FACILITIES AS DEPICTED IN PLANS.
- PERFORM FINAL SURFACE RESTORATION ACTIVITIES. PROTECT IN PLACE ALL SURFACE FEATURES TO THE DEGREE POSSIBLE AND LIMIT WORK IMPACTS TO THE AREAS DEPICTED IN THE PLANS. REPAIR OR REPLACE EXISTING SURFACE FEATURES DAMAGED OR DISTURBED DURING CONSTRUCTION IN LIKE AND KIND TO EXISTING, OR BETTER CONDITION. SURFACE FEATURES INCLUDE, BUT ARE NOT LIMITED TO EXISTING CURBS, GUTTERS, SIDEWALKS, VEGETATION, PAVEMENT, AND SIGNAGE.
- PROVIDE FINAL PAVEMENT MILLING AND OVERLAY. DURING PERIODS WHEN ASPHALT PLANTS ARE CLOSED (E.G. WINTER), PROVIDE TEMPORARY PAVEMENT RESTORATION.

CIVIL CONSTRUCTION

- ALL VALVE BOXES, METER BOXES AND FIRE HYDRANTS TAKEN OUT OF SERVICE MUST BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.
- ALL ABANDONED WATER MAINS SHALL BE FILLED WITH FLOWABLE FILL. LIMITS OF ABANDONMENT FOR WATER SERVICES HAVE NOT BEEN SHOWN.
- ALL WATER SERVICES SHALL BE 1" TYPE K COPPER, UNLESS OTHERWISE NOTED. ALL PROPOSED WATER METERS SHALL BE 3/4" METERS PROVIDED BY ACSA, UNLESS OTHERWISE NOTED.
- CONCRETE WALKWAY DISTURBED DURING INSTALLATION OF WATER SERVICES SHALL BE REPLACED IN-KIND. (SEE DETAIL SHEET C-18).
- FOR DESIGN PURPOSES, THE EXISTING WATER MAIN WAS ASSUMED TO BE 3' BELOW EXISTING GRADE. ACTUAL DEPTH IN THE FIELD MAY DIFFER AND SHALL BE VERIFIED BY THE CONTRACTOR.
- TO CAP EXISTING WATER MAIN, CUT WATER MAIN 3' FROM EXISTING VALVE, INSTALL RESTRAINED CAP, AND THRUST BLOCK (SEE THRUST BLOCK DETAIL SHEET C-15).
- ALL PIPE JOINTS AND CONNECTIONS TO FITTINGS AND APPURTENANCES AS SHOWN ON THE PLANS SHALL BE RESTRAINED FROM THRUST FORCES AND MOVEMENT UTILIZING MECHANICAL RESTRAINED JOINTS. THRUST BLOCKS SHALL BE PROVIDED ONLY FOR FIRE HYDRANTS IN ACCORDANCE WITH THE ALBEMARLE COUNTY SERVICE AUTHORITY'S STANDARD FIRE HYDRANT ASSEMBLY DETAIL.
- EXISTING DRIVEWAYS SHALL BE ACCESSIBLE DURING CONSTRUCTION. WHEN DRIVEWAY USE IS INHIBITED, CONTRACTOR SHALL INSTALL A METAL PLATE TO COVER TRENCH, AND ALLOW OWNER ACCESS.
- CONTRACTOR SHALL INSTALL MECHANICAL SOLID SLEEVES, WHERE NECESSARY, TO FACILITATE CONNECTIONS BETWEEN PROPOSED WATER MAIN AND EXISTING WATER MAIN.
- CONTRACTOR SHALL PROTECT AND MAINTAIN CROSSING AND ADJACENT UTILITIES (SANITARY, STORM, ETC.) DURING CONSTRUCTION.
- ALL PIPES SHALL BE PROTECTED WITH POLYETHYLENE ENCASEMENT. AT A MINIMUM, EIGHT (8) MIL THICK V-BIO POLYETHYLENE ENCASEMENT IS REQUIRED. COPPER SERVICE LINES SHALL ALSO BE SURROUND BY A MINIMUM OF THREE (3) FEET OF TIE FROM THE CONNECTION TO THE DUCTILE IRON WATERLINE. INSTALLATION BY MODIFIED METHOD A, AS OUTLINED IN AWWA C105, CURRENT REVISION, SHALL BE FOLLOWED.
- BLUE WATER MARKING TAPE, A MINIMUM OF TWO (2) INCHES WIDE, SHALL BE BURIED APPROXIMATELY TWO (2) FEET ABOVE ALL WATERLINES INCLUDING WATER MAIN, FIRE HYDRANT LATERALS, AND SERVICE LATERALS TO ALERT FUTURE CONSTRUCTION WORKERS THAT A WATER PIPE IS BELOW. THE MARKING TAPE SHALL BE CONTINUOUS. MARKING TAPE DISTURBED DURING CONSTRUCTION ON EXISTING WATERLINES SHALL BE RESTORED TO ITS ORIGINAL CONDITION AND TO THE SATISFACTION OF THE PROJECT INSPECTOR.
- PRESSURE REGULATING VALVES (PRV) HAVE BEEN LOCATED ADJACENT TO METER BOXES WITHIN THE PROJECT AREA. PRV REPLACEMENT /INSTALLATION SHALL BE COMPLETED AT THE DIRECTION OF ACSA. VALVES SHALL BE WATTS SERIES LF25AUB-Z3, OR APPROVED EQUAL.
- SANARY SEWER LATERALS ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL VERIFY THEIR LOCATION PRIOR TO EXCAVATION.
- CONTRACTOR SHALL REPLACE ALL MANHOLE FRAMES AND COVERS WITHIN THE PAVEMENT RESTORATION LIMITS. SEE SHEET C-15.

ACSA GENERAL WATER & SEWER CONDITIONS

- WORK SHALL BE SUBJECT TO INSPECTION BY ALBEMARLE COUNTY SERVICE AUTHORITY (ACSA) INSPECTORS. THE CONTRACTOR WILL BE RESPONSIBLE FOR NOTIFYING THE PROPER ACSA OFFICIALS AT THE START OF THE WORK.
- THE ALBEMARLE COUNTY SERVICE AUTHORITY SHALL HAVE ACCESS TO USE THE AIRSPACE ABOVE THE LOCATIONS OF CONSTRUCTION FOR THE FLIGHT OF UNMANNED AERIAL VEHICLES FOR THE PURPOSE OF IMAGERY COLLECTION.
- THE LOCATION OF EXISTING UTILITIES ACROSS THE LINE OF THE PROPOSED WORK ARE NOT NECESSARILY SHOWN ON THE PLANS AND WHERE SHOWN ARE ONLY APPROXIMATELY CORRECT. THE CONTRACTOR SHALL, ON HIS OWN INITIATIVE, LOCATE ALL UNDERGROUND LINES AND STRUCTURES, AS NECESSARY.
- ALL MATERIALS AND CONSTRUCTION SHALL COMPLY WITH THE CURRENT EDITION OF THE GENERAL WATER AND SEWER CONSTRUCTION SPECIFICATIONS AS ADOPTED BY THE ALBEMARLE COUNTY SERVICE AUTHORITY.
- DATUM FOR ALL ELEVATIONS SHOWN IN NATIONAL GEODETIC SURVEY. SEE SURVEY NOTES ON THE SHEET T-1.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY (1-800-552-7001 OR VA811.COM).
- ALL WATER AND SEWER PIPES SHALL HAVE A MINIMUM OF THREE AND A HALF (3.5) FEET OF COVER MEASURED FROM THE TOP OF PIPE, OVER THE CENTERLINE OF PIPE. THIS INCLUDES ALL FIRE HYDRANT LINES, SERVICE LATERALS AND WATER LINES, ETC.
- ALL WATER AND SEWER APPURTENANCES ARE TO BE LOCATED OUTSIDE OF ROADSIDE DITCHES.
- VALVES ON DEADEND LINES SHALL BE RODDED TO PROVIDE ADEQUATE RESTRAINT FOR THE VALVE DURING A FUTURE EXTENSION OF THE LINE.
- TREES ARE NOT PERMITTED IN THE ACSA EASEMENT.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO COMPLY WITH THE NO-LEAD REGULATION REGARDING BRASS FITTINGS EFFECTIVE JANUARY 4, 2014 (SENATE BILL 3874 WHICH AMENDS THE SAFE DRINKING WATER ACT).
- THE SEWER LATERAL BEYOND THE CONNECTION AT THE SEWER MAIN SHALL BE PRIVATE. THE SEWER LATERAL STUB-OUT SHALL UNDERGO THE ACSA LOW-PRESSURE AIR TEST TO SATISFY COUNTY TESTING REQUIREMENTS. VISUAL INSPECTION OF THE SEWER LATERAL STUB-OUT SHALL BE WITNESSED BY THE COUNTY BUILDING INSPECTIONS DEPARTMENT. THIS INSPECTION SHALL OCCUR UNDER AN "OTHER PLUMBING" PERMIT WHICH MUST BE OBTAINED BY THE CONTRACTOR.
- THE SEWER LATERAL BEYOND THE CONNECTION AT A MANHOLE SHALL BE PRIVATE. VISUAL INSPECTION AND PRESSURE TESTING OF THE SEWER LATERAL SHALL BE WITNESSED BY THE COUNTY BUILDING INSPECTIONS DEPARTMENT. THIS INSPECTION SHALL OCCUR UNDER AN "OTHER PLUMBING" PERMIT WHICH MUST BE OBTAINED BY THE CONTRACTOR.
- THE FIRE SPRINKLER MAIN DOWNSTREAM OF THE GATE VALVE IS PRIVATE. VISUAL INSPECTION AND TESTING OF THE FIRE SPRINKLER MAIN DOWNSTREAM OF THE GATE VALVE SHALL BE WITNESSED BY THE COUNTY BUILDING INSPECTIONS DEPARTMENT. THIS INSPECTION SHALL OCCUR UNDER AN "OTHER PLUMBING" PERMIT WHICH MUST BE OBTAINED BY THE CONTRACTOR.
- ALL FLUSHING OF FIRE SPRINKLER MAINS SHALL NOT OCCUR UNTIL APPROVAL IS GIVEN BY THE ACSA.
- PRIOR TO BACKFLOW PREVENTION DEVICE TESTING AND THE ESTABLISHMENT OF WATER SERVICE, ALL BACKFLOW PREVENTION DEVICE INSTALLATIONS SHALL MEET THE ACSA BACKFLOW REQUIREMENTS AS DETAILED IN SECTION 8 OF THE MOST RECENT REVISION OF THE ACSA RULES AND REGULATIONS.
- A DEED OF EASEMENT AND EASEMENT PLAT FOR THE UTILITY EASEMENTS, APPROVED BY THE ACSA, SHALL BE RECORDED PRIOR TO ANY WATER AND/OR SEWER SERVICE BEING ESTABLISHED.



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CLIENT
**ALBEMARLE COUNTY
SERVICE AUTHORITY**

1	03/06/2025	REISSUED FOR BID	MLH
NO.	DATE	REVISION	INT.

DESIGNER / PROFESSIONAL ENGINEER RESPONSIBLE

MLH
DESIGNED BY
DSS
CHECKED BY
RJD
DRAWN BY
RPW
FILE NO.
1087705.1940100728
DATE
MARCH 2025

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY



PROJECT

BRIARWOOD WATER MAIN REPLACEMENT

ADDRESS

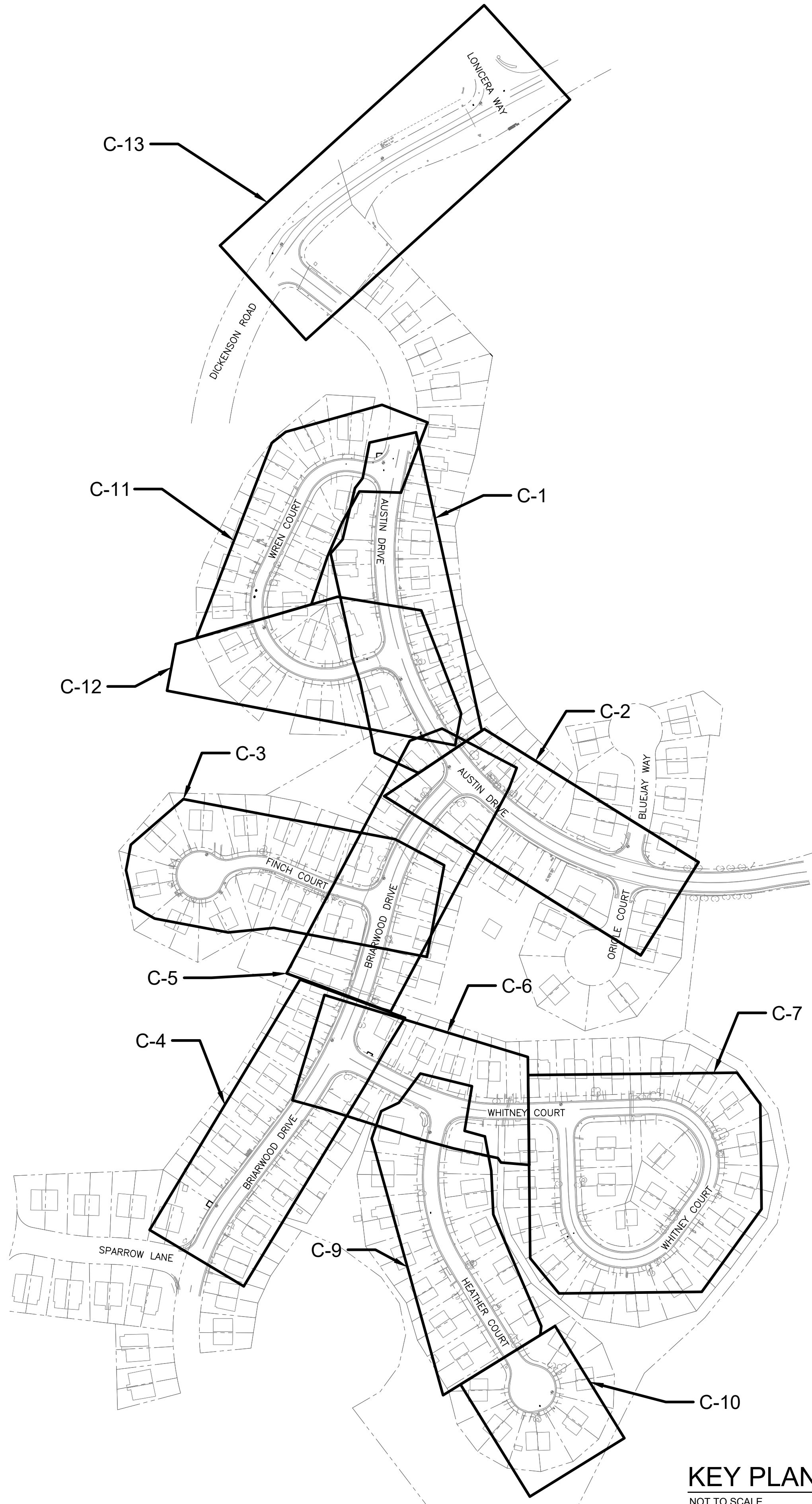
BRIARWOOD SUBDIVISION - ALBEMARLE COUNTY, VIRGINIA

SHEET DESCRIPTION

GENERAL NOTES

DRAWING LOCATION

CHARLOTTESVILLE VIRGINIA



KEY PLAN
NOT TO SCALE

LEGEND

ABBREVIATIONS

EXISTING TREES
CM = CRATE MYRTLE TREE
CED = CEDAR TREE
CHR = CHERRY TREE
DW = DOGWOOD TREE
HOL = HOLLY TREE
LOC = LOCUST TREE
LEY = LEYLAND CYPRESS TREE
MAG = MAGNOLIA TREE
MAP = MAPLE TREE
OAK = OAK TREE
PINE = PINE TREE
POP = POPLAR TREE
RB = REDBUD TREE
RO = RED OAK TREE
TREE = TREE (UNKNOWN SPECIES)
WN = WALNUT TREE
4TREE20 = 4-IN DIAMETER TREE WITH 20-FT DIAMETER CANOPY

ASPH = ASPHALT
BSW = BRICK WALK
BW = BRICK WALL
CO = CLEAN OUT
CONC. = CONCRETE
CMP = CORRUGATED METAL PIPE
CSW = CONCRETE SIDEWALK
DEFL. = DEFLECTION
DIP OR DI (PIPE) = DUCTILE IRON PIPE
EB = ELECTRIC BOX
EX. = EXISTING
FH = FIRE HYDRANT
FHA = FIRE HYDRANT ASSEMBLY
GRV = GRAVEL
GV = GATE VALVE
GW = GUY WIRE
HB = HORIZONTAL BEND
HH = HAND HOLE
HORZ. = HORIZONTAL
II = INVERT IN
IO = INVERT OUT
LP = LIGHT POLE
OHE = OVERHEAD ELECTRIC LINE
OHT = OVERHEAD TELEPHONE LINE
OHTV = OVERHEAD TV CABLE LINE
PE = POLYETHYLENE PIPE
PROP. = PROPOSED
PVC = POLYVINYL CHLORIDE PIPE
RCP = REINFORCED CONCRETE PIPE
RJ = RESTRAINED JOINT
SB = SOIL BORING
SDMH = STORM DRAIN MANHOLE
SSMH = SANITARY SEWER MANHOLE
SS-13 = SANITARY SEWER MANHOLE #13
WM = WATER MAIN OR WATER METER
WV = WATER VALVE

? = UNKNOWN DIRECTION OR DIMENSION

EXISTING FEATURES

EASEMENTS

ACCESS
DRAINAGE
ELECTRIC
SEWER
UTILITY
WATER

CONTOUR ELEVATION
FENCE
PLANTER BED
PROPERTY LINE
TREELINE

UNDERGROUND UTILITY LINES

ELECTRIC LINE
SANITARY SEWER PIPE
STORM DRAIN PIPE
TELEPHONE
WATER MAIN

BUSH
FIRE HYDRANT
IRRIGATION VALVE BOX (SUSPECT PRV,
SEE NOTE 1 ON VARIOUS PLAN SHEETS)

LAMP POST
MAILBOX
MANHOLE (SANITARY OR STORM)
PROPERTY PIN
SIGN
SPOT ELEVATION (DRAINAGE FEATURE)
SURVEY CONTROL POINT
TELEPHONE PEDESTAL
TRANSFORMER OR JUNCTION BOX (ELECTRIC)
TREE (SINGLE TREE)
WATER METER AND SERVICE LINE
WATER VALVE

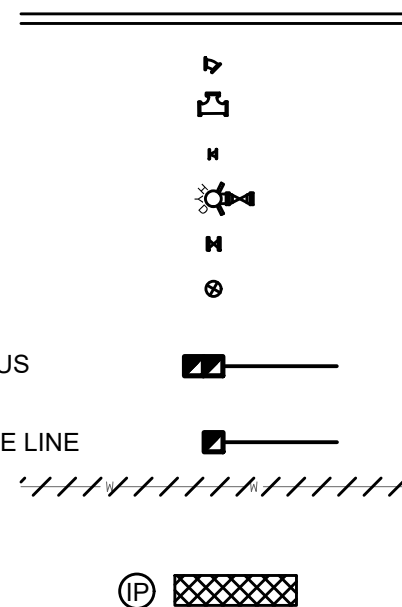
PROPOSED FEATURES

WATER DISTRIBUTION SYSTEM

WATER MAIN
HORIZONTAL BEND
TEE
REDUCER
FIRE HYDRANT ASSEMBLY
GATE VALVE
BLOW-OFF TYPE A
REPLACE PRV, WATER METER AND
SERVICE LINE (SEE NOTE 1 ON VARIOUS
PLAN SHEETS)
REPLACE WATER METER AND SERVICE LINE
ABANDON WATER MAIN

EROSION AND SEDIMENT CONTROL

INLET PROTECTION



CLIENT
**ALBEMARLE COUNTY
SERVICE AUTHORITY**

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ENGINEERING SOLUTIONS, INC.
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RAMBOLL

PROJECT
BRIARWOOD WATER MAIN REPLACEMENT

ADDRESS
BRIARWOOD SUBDIVISION - ALBEMARLE COUNTY, VIRGINIA

SHEET DESCRIPTION
LEGEND AND KEY PLAN

DRAWING LOCATION
CHARLOTTESVILLE VIRGINIA

SAVED: 3/5/25 3:33 PM

\\RAMBOL\PROJECTS\ALBEMARLE-CO_10877051\940100728.BRIARWOOD-VMMR\DIGITAL_DESIGN\SHEETS\1940100728-G-003.DWG

WATER MAIN FITTING, VALVE AND HYDRANT SCHEDULES

AUSTIN DRIVE			
NORTHING	EASTING	STATION	FITTING
3948434.49	11506291.59	-0+05.90	8" SOLID SLEEVE
3948429.98	11506290.76	-0+01.31	8" - 90° HB
3948430.51	11506287.86	0+01.63	8" - GV
3948433.35	11506262.13	0+27.57	8" - GV
3948433.35	11506259.26	0+30.43	8" TEE
3948433.35	11506256.48	0+33.06	8" GV
3948073.06	11506279.97	3+94.55	8" GV
3948070.74	11506280.82	3+97.02	8"x6" TEE
3948068.20	11506281.77	3+99.74	8" GV
3947934.94	11506344.25	5+47.17	8"x6" TEE
3947928.78	11506333.75	5+47.17	FHA
3947864.78	11506394.57	6+33.59	8" GV
3947862.16	11506396.76	6+36.99	8"x6" TEE
3947857.40	11506400.84	6+43.27	8" GV
3947707.58	11506591.11	8+87.28	8" - 45° VB
3947706.13	11506594.24	8+90.67	8" - 45° VB
3947672.86	11506668.12	9+71.86	8" - 11.25° HB
3947665.20	11506701.64	10+06.38	8" GV
3947664.12	11506706.35	10+11.05	8"x6" TEE
3947658.75	11506717.60	10+23.23	6" GV
3947661.41	11506718.22	10+23.23	8"x6" TEE
3947660.55	11506721.96	10+26.75	8" GV
3947659.90	11506724.81	10+30.00	8" PLUG

BLUEJAY WAY			
NORTHING	EASTING	STATION	FITTING
3947664.12	11506706.35	0+00.00	8"x6" TEE
3947666.90	11506706.99	0+02.86	8" GV
3947668.98	11506707.47	0+05.03	8" - 22.5° VB
3947675.39	11506708.96	0+11.58	8" - 45° VB
3947728.63	11506721.30	0+66.22	8" - 45° HB
3947738.97	11506737.78	0+85.61	8" - 45° HB
3947744.35	11506738.92	0+91.09	8" SOLID SLEEVE

FINCH COURT			
NORTHING	EASTING	STATION	FITTING
3947702.34	11505886.92	0+00.00	BLOW-OFF
3947698.62	11505890.78	0+05.36	4" GV
3947689.05	11505900.67	0+19.13	4" - 45° HB
3947690.24	11505961.68	0+80.14	6"x4" REDUCER
3947690.31	11505964.80	0+83.27	6" TEE
3947770.22	11505964.74	0+83.27	FHA
3947692.03	11506052.07	1+70.54	6" - 22.5° HB
3947650.28	11506160.24	2+86.48	6" - 11.25° VB
3947647.07	11506170.55	2+97.31	6" - 11.25° VB
3947643.97	11506182.46	3+09.62	6" - 11.25° VB
3947643.07	11506186.28	3+13.54	6" - 11.25° VB
3947642.26	11506187.89	3+15.20	8"x6" REDUCER
3947642.26	11506189.69	3+17.05	8"x6" TEE
3947651.91	11506191.97	3+17.05	FHA
3947627.11	11506250.45	3+79.67	8" GV
3947626.48	11506252.78	3+82.08	8" TEE

WHITNEY COURT			
NORTHING	EASTING	STATION	FITTING
3947352.69	11506165.57	0+00.00	8" TEE
3947351.27	11506168.50	0+03.25	8" GV
3947321.56	11506226.92	0+68.81	8"x6" TEE
3947330.90	11506231.93	0+68.81	FHA
3947253.83	11506367.88	2+25.48	8" TEE
3947252.94	11506370.93	2+28.65	8" GV
3947238.65	11506588.97	4+48.51	8"x6" TEE
3947237.76	11506591.86	4+51.40	8" GV
3947240.04	11506628.60	4+88.16	8"x6" TEE
3947250.47	11506628.24	4+88.16	FHA
3947240.20	11506633.16	4+92.73	8"x6" REDUCER
3947245.05	11506771.26	6+30.91	6" - 22.5° HB
3947225.31	11506824.08	6+87.29	6" - 22.5° HB
3947199.98	11506850.96	7+24.22	6" - 22.5° HB
3947148.54	11506874.07	7+80.60	6" - 22.5° HB
3947111.18	11506875.18	8+17.96	6" - 22.5° HB
3947074.17	11506861.11	8+57.56	6"-11.25° HB
3946998.13	11506806.24	9+51.40	6" GV
3946995.94	11506804.59	9+54.12	6" TEE
3946988.80	11506814.02	9+54.12	FHA
3946993.73	11506802.92	9+56.91	6" GV
3946982.73	11506794.59	9+70.70	6" - 22.5° HB
3946947.05	11506733.73	10+41.23	6" - 22.5° HB
3946942.94	11506704.05	10+71.19	6" - 22.5° HB
3946954.10	11506661.26	11+15.40	6" - 22.5° HB
3946983.32	11506622.65	11+63.81	6" - 22.5° HB
3946993.82	11506601.52	11+83.55	ARV
3947017.43	11506602.65	12+03.34	6" - 22.5° HB
3947236.30	11506589.05	14+22.92	6" GV

HEATHER COURT			
NORTHING	EASTING	STATION	FITTING
3947253.83	11506367.88	0+00.00	8" TEE
3947251.53	11506367.15	0+02.42	8" GV
3947190.76	11506348.48	0+66.00	8" - 22.5° VB
3947183.64	11506346.77	0+73.33	8" - 22.5° VB
3947052.81	11506343.45	2+05.06	8"x6" TEE
3947050.75	11506332.03	2+05.06	FHA
3947049.48	11506344.04	2+08.44	8"x6" REDUCER
3947038.09	11506346.57	2+20.11	6" GV
3947817.92	11506461.07	4+69.68	6" TEE
3946811.76	11506451.12	4+69.68	FHA
3947815.39	11506462.63	4+72.65	6"x4" REDUCER
3947742.86	11506507.43	5+57.89	4" - 22.5° HB
3947723.10	11506510.63	5+77.89	4" - 22.5° HB
3946694.16	11506528.51	6+11.93	4" - 22.5° HB
3946678.81	11506549.80	6+38.17	4" GV
3946671.05	11506560.55	6+51.43	BLOW-OFF

WREN COURT			
NORTHING	EASTING	STATION	FITTING
3948433.35	11506259.26	0+09.97	8" TEE
3948433.35	11506256.48	0+12.76	8" GV
3948433.35	11506251.13	0+18.10	8"x8" TEE
3948445.72	11506251.10	0+18.10	FHA
3948433.35	11506244.16	0+25.09	8"x6" REDUCER
3948430.43	11506163.79	1+05.53	6" - 22.5° HB
3948423.21	11506146.02	1+24.71	6" - 22.5° HB
3948386.10	11506108.71	1+77.11	6" - 22.5° HB
3948225.79	11506030.26	3+55.88	6"-11.25° HB
3948195.41	11506022.02	3+87.38	6" GV
3948183.57	11506018.80	3+99.63	6"-11.25° HB
3948178.08	11506018.42	4+05.14	6" TEE
3948176.62	11506039.41	4+05.14	FHA
3948155.19	11506016.84	4+28.08	6" - 22.5° HB
3948095.88	11506036.75	4+90.63	6" - 22.5° HB
3948070.81	11506058.59	5+23.87	6"-11.25° HB
3948049.75	11506085.85	5+58.32	6"-11.25° HB
3948039.19	11506107.10	5+82.04	6" - 22.5° HB
3948034.55	11506174.55	6+49.64	6" - 22.5° HB
3948069.98	11506278.76	7+59.71	6" GV
3948070.74	11506280.82	7+61.91	8"x6" TEE

DICKERSON ROAD			
NORTHING	EASTING	STATION	FITTING
3948818.87	11506050.36	0+00.00	8" TS&V
3948822.22	11506052.53	0+03.97	8" GV
3949096.20	11506426.86	4+73.34	8" TEE
3949098.20	11506425.88	4+73.34	8" GV
3949099.68	11506425.15	4+73.34	8" PLUG
3949124.45	11506483.13	5+36.16	8" GV
3949125.54	11506485.32	5+38.64	8" TS&V

BRIARWOOD DRIVE			
NORTHING	EASTING	STATION	FITTING
3947015.40	11505946.22	0+00.00	8" SOLID SLEEVE
3947019.33	11505948.54	0+04.56	8" GV
3947024.01	11505951.30	0+10.00	8" - 45° HB
3947041.24	11505946.86	0+27.79	8" - 45° HB
3947045.64	11515949.46	0+32.90	8"x6" TEE
3947053.48	11505936.54	0+32.90	FHA
3947350.37	11506164.44	4+06.54	8" GV
3947352.69	11506165.57	4+09.13	8" TEE
3947355.17	11506166.76	4+11.88	8" GV
3947620.01	11506251.11	6+90.38	8" GV
3947626.48	11506252.78	6+97.06	8" TEE
3947629.24	11506253.51	6+99.92	8" GV
3947855.19	11506388.82	9+65.45	8" - 11.25° HB
3947860.13	11506394.44	9+72.94	8" GV
3947862.16	11506396.76	9+76.02	8" TEE

SOIL BORING SCHEDULE					
ID	SHEET	NORTHING	EASTING	DEPTH	CORROSION TEST
B-1	C-1/C-11	3948432.97	11506258.61	8'	INCLUDED
B-2	C-1	3948030.48	11506291.16	8'	NOT INCLUDED
B-3	C-2/C-5	3947867.67	11506381.26	8'	NOT INCLUDED
B-4	C-2	3947719.48	11506713.62	6'	INCLUDED
B-5	C-3/C-5	3947660.32	11506259.63	8'	NOT INCLUDED
B-6	C-3	3947704.35	11505929.92	6'	INCLUDED
B-7	C-4	3947051.24	11505948.24	8'	INCLUDED
B-8	C-4/C-6	3947358.86	11506163.47	8'	INCLUDED
B-9	C-6/C-9	3947187.81	11506345.37	8'	INCLUDED
B-10	C-7	3947239.76	11506588.81	8'	NOT INCLUDED
B-11	C-7	3947047.17	11506845.87	6'	INCLUDED
B-12	C-10	3946704.96	11506572.61	8'	INCLUDED
B-13	C-13	3948839.54	11506069.16	6'	INCLUDED
B-14	C-13	3948999.33	11506256.72	6'	NOT INCLUDED
B-15	C-13	3949101.95	11506439.49	6'	INCLUDED
B-16	C-12	3948126.30	11506036.73	6'	INCLUDED

PROPOSED EASEMENT DATA				
PARCEL ID	LAND OWNER	SHEET	EASEMENTS	
			PERMANENT	TEMPORARY
			SQ. FEET	SQ. FEET
TMP 32G-07-07	COOKE, LLC	C-1	26.65	0
TMP 32G-02-86	LINDA C. BUMGARDNER	C-6	32.95	0
TMP 32G-1R6	BOULDER VIEW LLC	C-1	47.00	0
TMP 32G-01--1	LINDSAY N. AND MAURICE A. FEGGANS	C-4	78.00	0



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CLIENT
ALBEMARLE COUNTY
SERVICE AUTHORITY

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NO.	DATE	REVISION	INT.

DESIGNER / PROFESSIONAL ENGINEER RESPONSIBLE

MLH	
DESIGNED BY	FILE NO.
DSS	1087705-1940100728
CHECKED BY	DATE
RJD	MARCH 2025
DRAWN BY	
RPW	

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY



PROJECT

BRIARWOOD WATER MAIN REPLACEMENT

ADDRESS

BRIARWOOD SUBDIVISION - ALBEMARLE COUNTY, VIRGINIA

SHEET DESCRIPTION

SCHEDULES AND TABLES

DRAWING LOCATION

CHARLOTTESVILLE VIRGINIA



CLIENT
**ALBEMARLE COUNTY
SERVICE AUTHORITY**

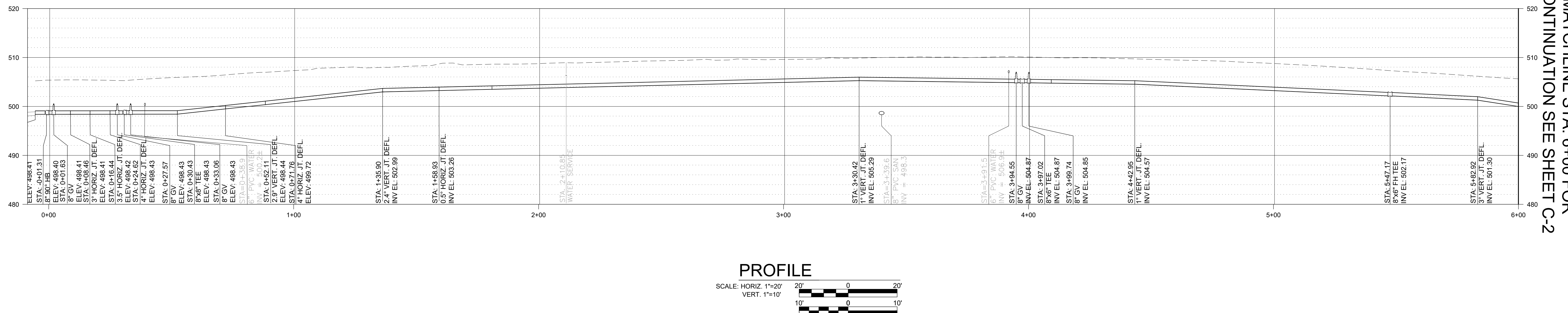
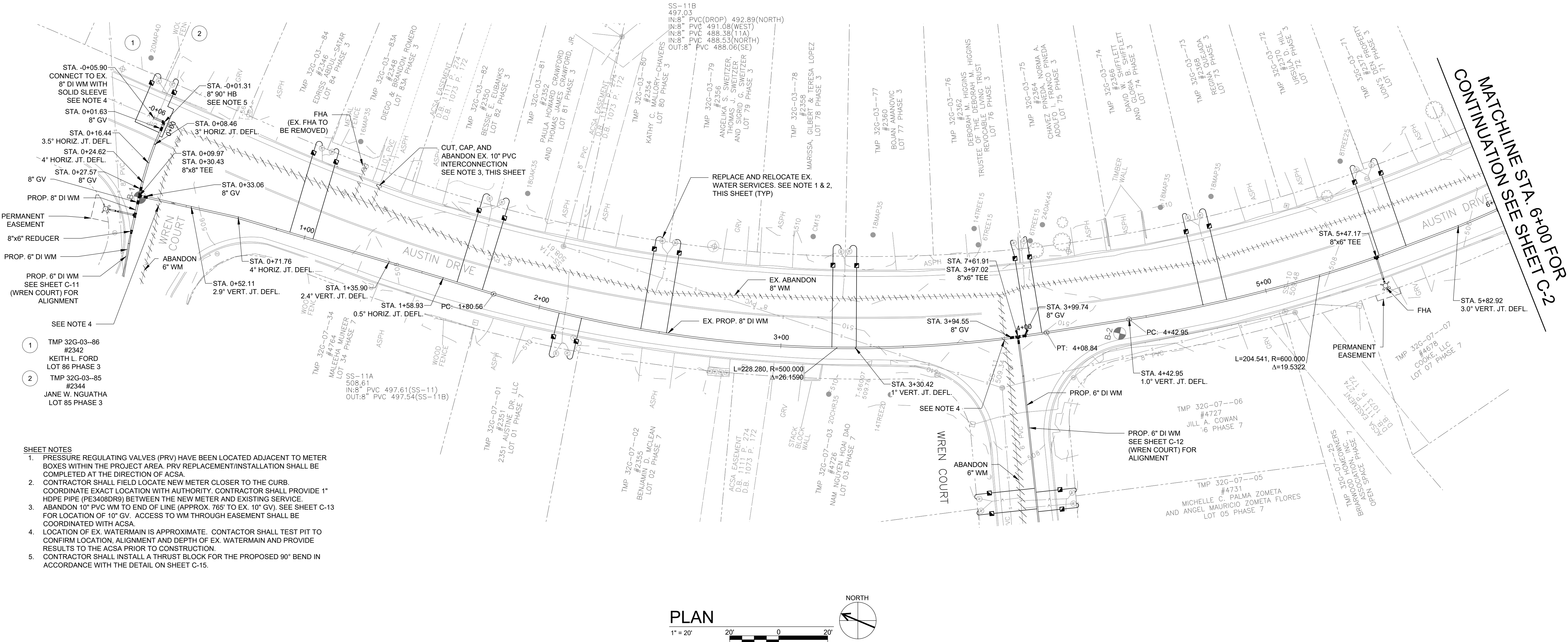
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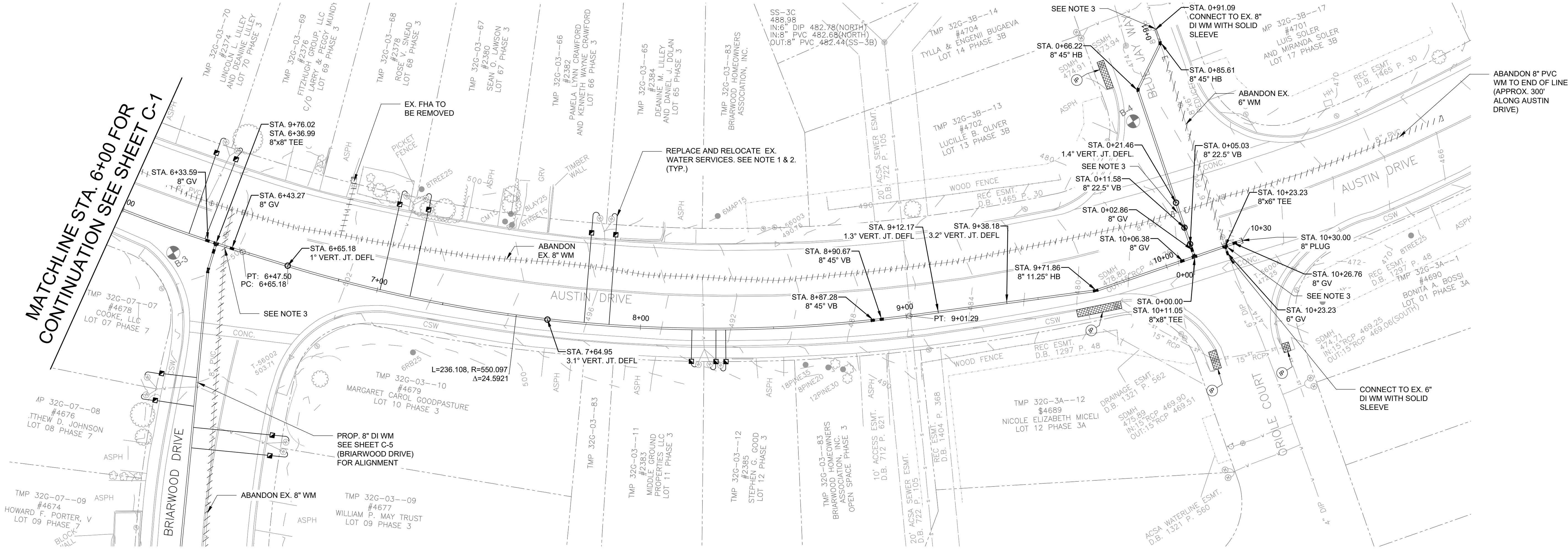
RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY
RAMBOLL

PROJECT
BRIARWOOD WATER MAIN REPLACEMENT
ADDRESS
BRIARWOOD SUBDIVISION - ALBEMARLE COUNTY, VIRGINIA

SHEET DESCRIPTION
**PLAN AND PROFILE - AUSTIN DR. STA. 0+00
TO STA. 6+00**
DRAWING LOCATION
CHARLOTTESVILLE VIRGINIA



MATCHLINE STA. 6+00 FOR
CONTINUATION SEE SHEET C-1

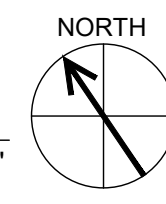


SHEET NOTES

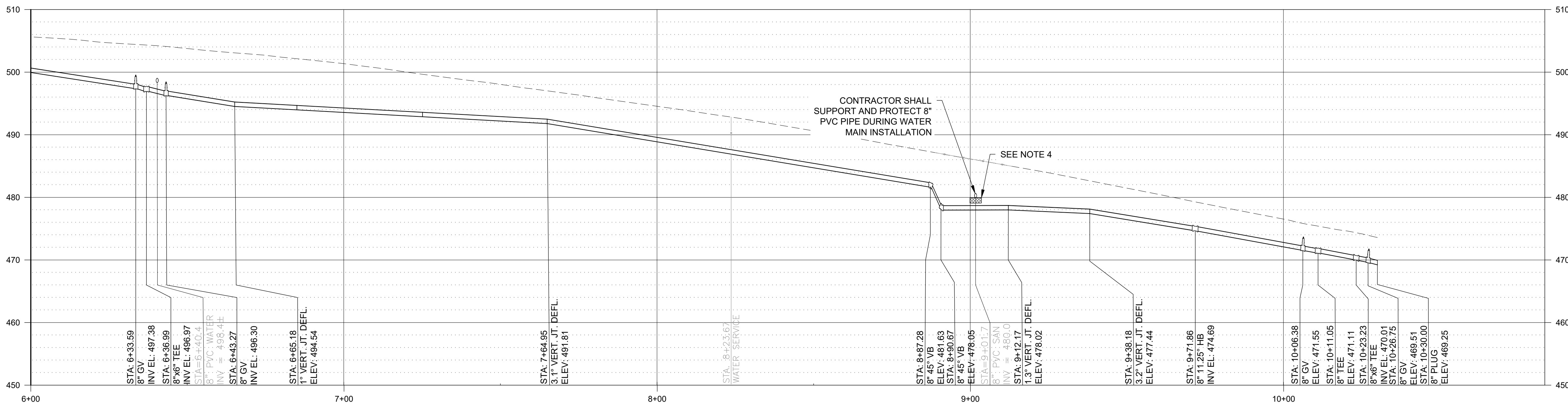
1. PRESSURE REGULATING VALVES (PRV) HAVE BEEN LOCATED ADJACENT TO METER BOXES WITHIN THE PROJECT AREA. PRV REPLACEMENT/INSTALLATION SHALL BE COMPLETED AT THE DIRECTION OF ACSA.
2. CONTRACTOR SHALL FIELD LOCATE NEW METER CLOSER TO THE CURB. COORDINATE EXACT LOCATION WITH AUTHORITY. CONTRACTOR SHALL PROVIDE 1" HDPE PIPE (PE3408DR9) BETWEEN THE NEW METER AND EXISTING SERVICE.
3. LOCATION OF EX. WATERMAIN IS APPROXIMATE. CONTRACTOR SHALL TEST PIT TO CONFIRM LOCATION, ALIGNMENT AND DEPTH OF EX. WATERMAIN AND PROVIDE RESULTS TO THE ACSA PRIOR TO CONSTRUCTION.
4. INSTALL CONCRETE CRADLE AT SANITARY SEWER CROSSING. SEE DETAIL ON SHEET C-15.

PLAN

1" = 20'



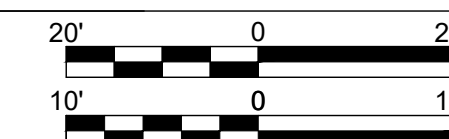
MATCHLINE STA. 6+00 FOR
CONTINUATION SEE SHEET C-1



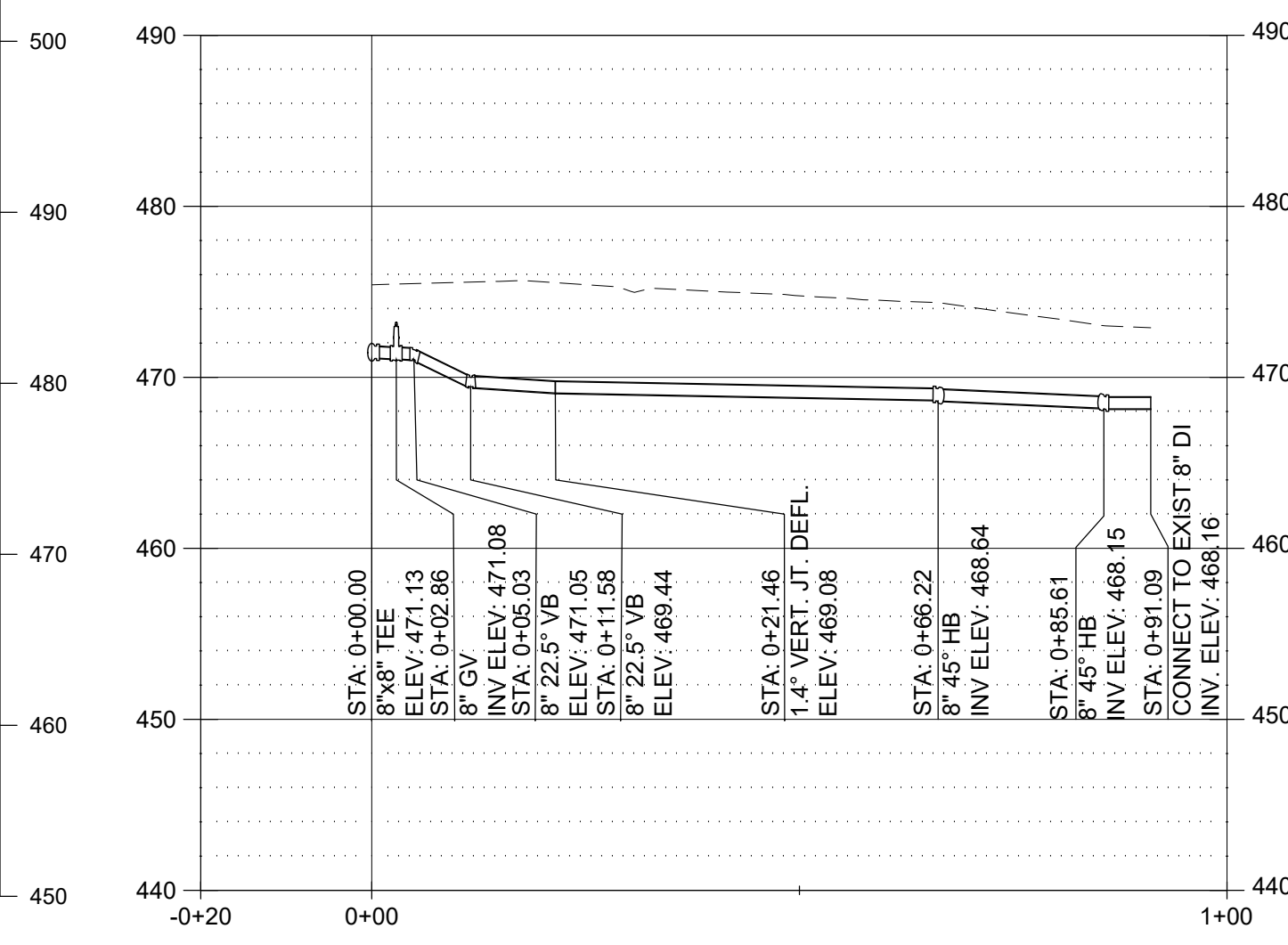
AUSTIN DRIVE

PROFILES

SCALE: HORIZ. 1"=20'
VERT. 1"=10'



BLUE JAY WAY



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CLIENT
**ALBEMARLE COUNTY
SERVICE AUTHORITY**

NO.	DATE	REVISION
1	03/06/2025	REISSUED FOR BID

MLH
INT.

DESIGNER / PROFESSIONAL ENGINEER RESPONSIBLE
MLH
DESIGNED BY
DSS
CHECKED BY
RJD
DRAWN BY
RPW
FILE NO.
1087705.1940100728
DATE
MARCH 2025

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY



PROJECT
BRIARWOOD WATER MAIN REPLACEMENT

ADDRESS
BRIARWOOD SUBDIVISION - ALBEMARLE COUNTY, VIRGINIA

SHEET DESCRIPTION
**PLAN AND PROFILE - AUSTIN DR. STA. 6+00
TO STA. 10+46 AND BLUE JAY WAY**

DRAWING LOCATION
CHARLOTTESVILLE VIRGINIA

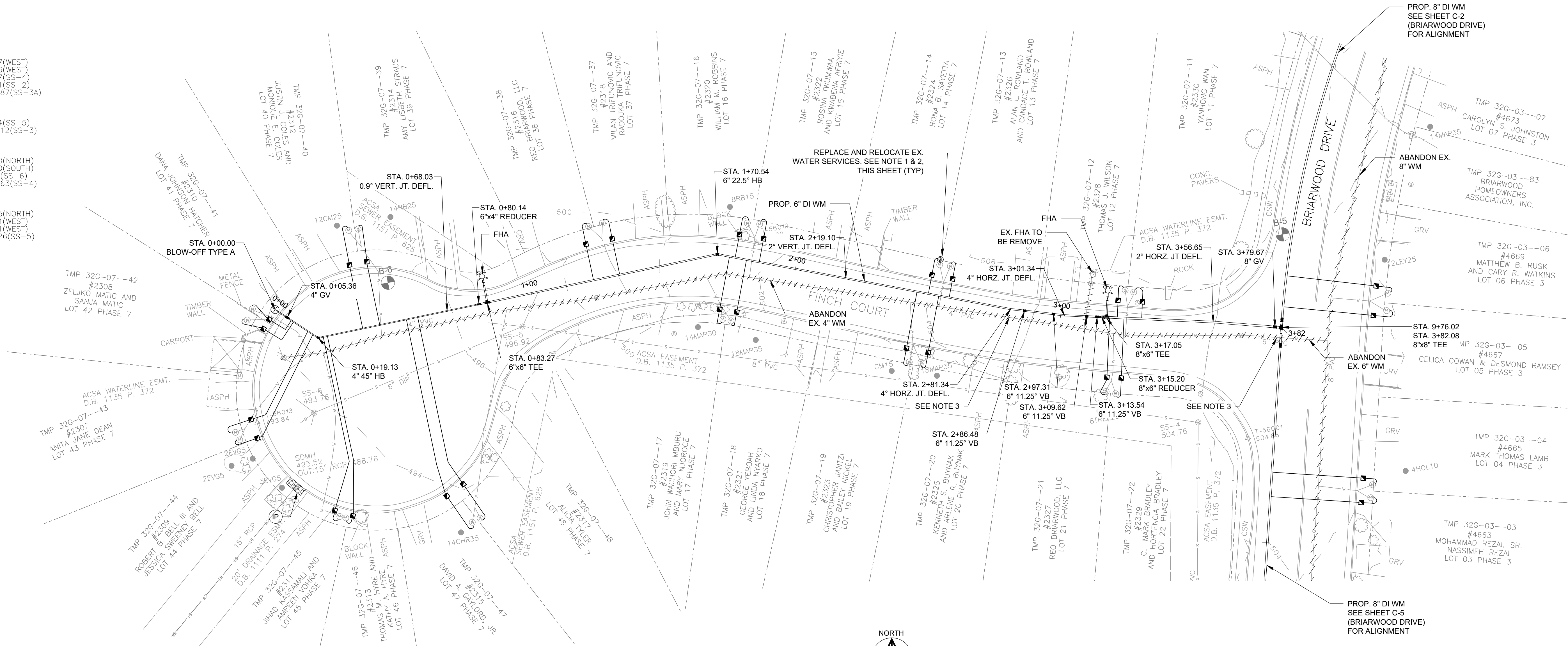
C-2

SS-3
503.60
IN:4" PVC 487.57(WEST)
IN:4" PVC 487.56(WEST)
IN:8" PVC 487.17(SS-4)
IN:8" PVC 487.41(SS-2)
OUT:8" PVC 486.87(SS-3A)

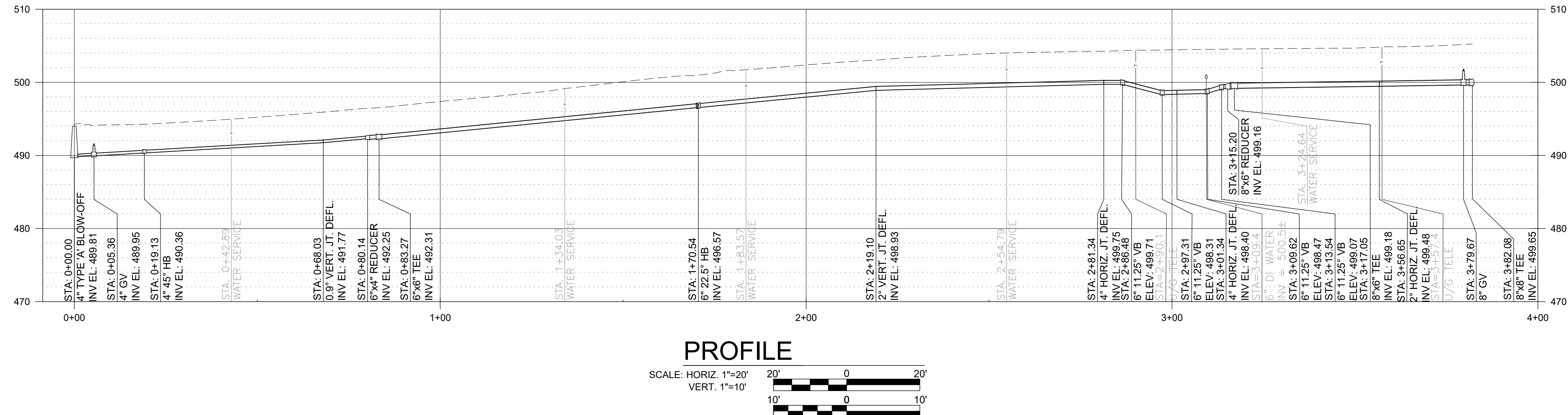
SS-4
504.76
IN:8" PVC 488.24(SS-5)
OUT:8" PVC 488.12(SS-3)

SS-5
496.92
IN:6" PVC 489.90(NORTH)
IN:6" PVC 489.90(SOUTH)
IN:6" DIP 489.86(SS-6)
OUT:8" PVC 489.63(SS-4)

SS-6
493.78
IN:4" PVC 490.45(NORTH)
IN:4" PVC 490.44(WEST)
IN:4" PVC 490.41(WEST)
OUT:6" DIP 490.26(SS-5)



- SHEET NOTES
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CLIENT
**ALBEMARLE COUNTY
SERVICE AUTHORITY**

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1	03/06/2025	REISSUED FOR BID	MLH

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MLH
DESIGNED BY
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RJD
DRAWN BY
RPW

FILE NO.
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DATE
MARCH 2025

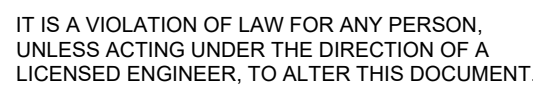
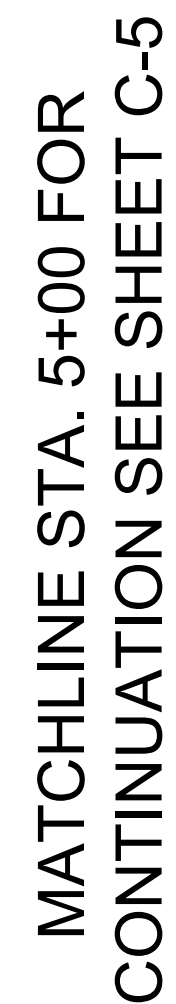
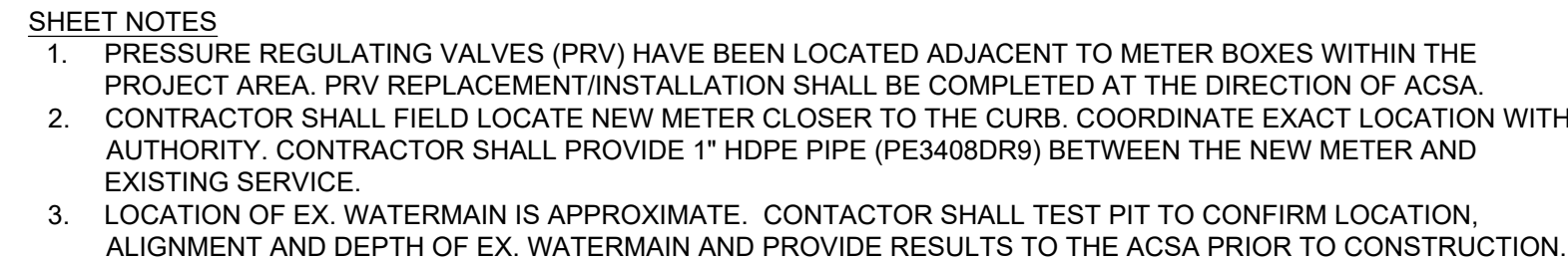
RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY



PROJECT
BRIARWOOD WATER MAIN REPLACEMENT

ADDRESS
BRIARWOOD SUBDIVISION - ALBEMARLE COUNTY, VIRGINIA

SHEET DESCRIPTION
**PLAN AND PROFILE - FINCH CT.
STA. 0+00 TO STA. 3+82**
DRAWING LOCATION
CHARLOTTESVILLE VIRGINIA



1	03/06/2025	REISSUED FOR BID		MLH
NO.	DATE	REVISION		INT.

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ENGINEERING SOLUTIONS, INC.**
A RAMBOLL COMPANY

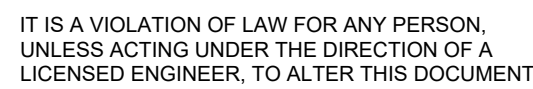
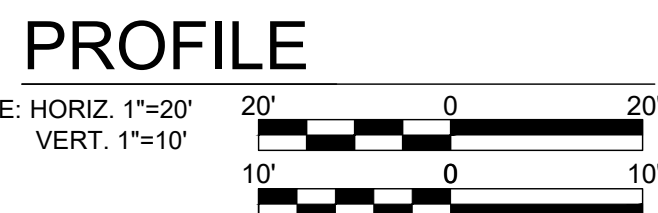
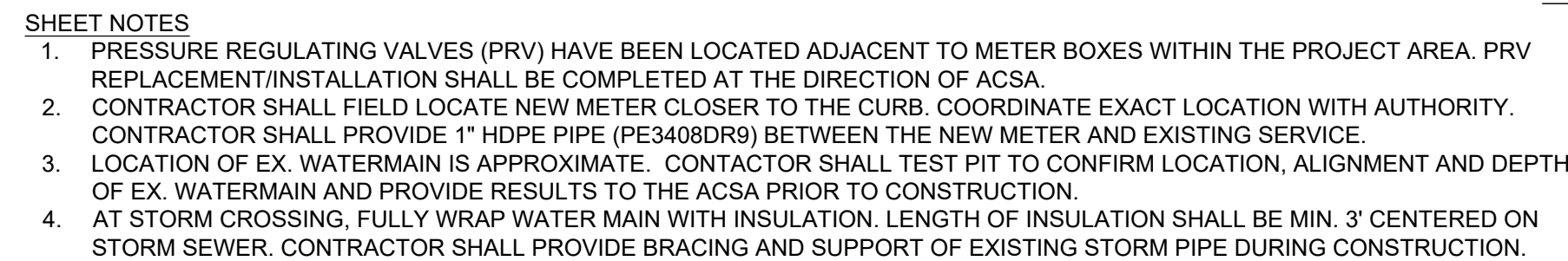
RAMBOLL

SHEET DESCRIPTION

PLAN AND PROFILE - BRIARWOOD DR.
STA. 0+00 TO STA. 5+00

DRAWING LOCATION

CHARLOTTESVILLE VIRGINIA



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DESIGNER / PROFESSIONAL ENGINEER RESPONSIBLE	
MLH	
DESIGNED BY	FILE NO.
DSS	1087705.1940100728
CHECKED BY	DATE
RJD	MARCH 2025
DRAWN BY	
RPW	



ADDRESS
BRIARWOOD SUBDIVISION - ALBEMARLE COUNTY, VIRGINIA

DRAWING LOCATION
CHARLOTTESVILLE VIRGINIA



Mar-07-2025

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**ALBEMARLE COUNTY
SERVICE AUTHORITY**

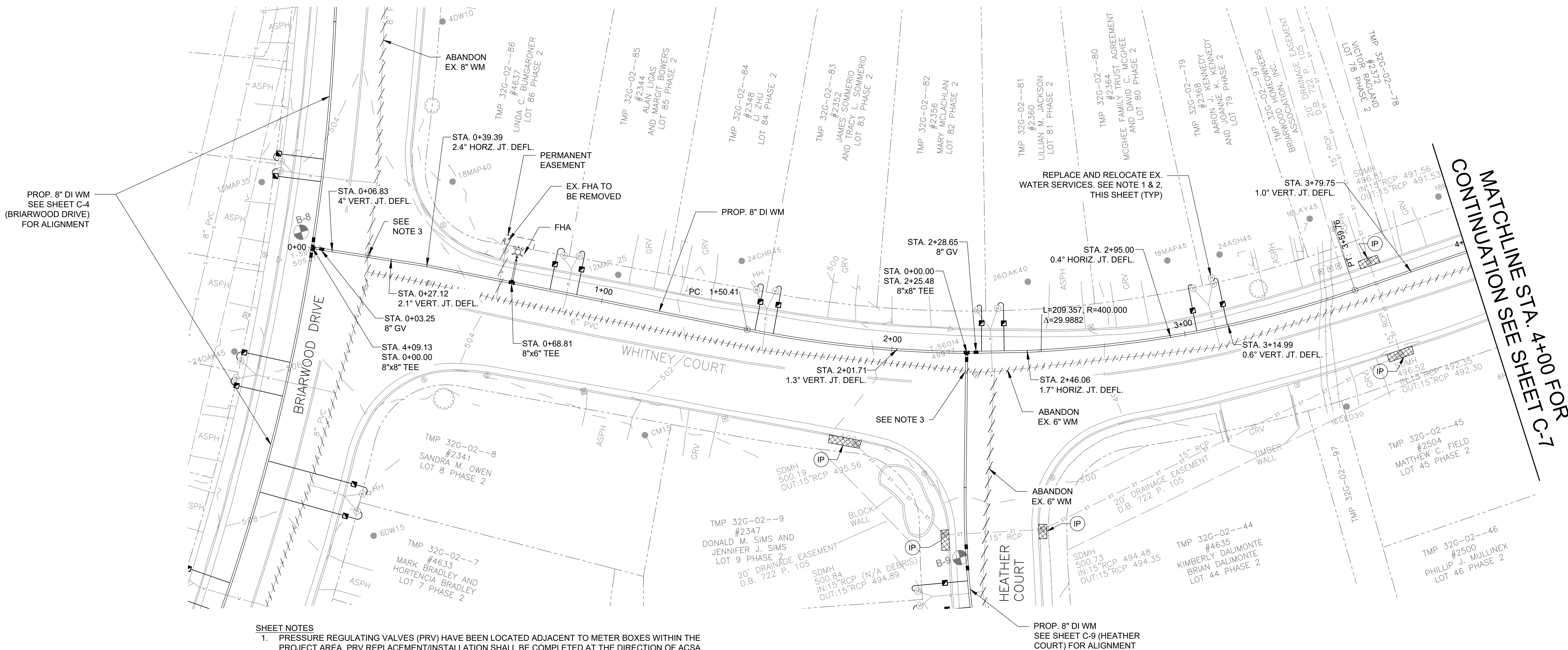
NO.	DATE	REVISION	INT.
1	03/06/2025	REISSUED FOR BID	MLH

DESIGNER / PROFESSIONAL ENGINEER RESPONSIBLE
MLH
DESIGNED BY
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RJD
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FILE NO.
1087705.1940100728
DATE
MARCH 2025

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY
RAMBOLL

PROJECT
BRIARWOOD WATER MAIN REPLACEMENT
ADDRESS
BRIARWOOD SUBDIVISION - ALBEMARLE COUNTY, VIRGINIA

SHEET DESCRIPTION
**PLAN AND PROFILE - WHITNEY CT.
STA. 0+00 TO STA. 4+00**
DRAWING LOCATION
CHARLOTTESVILLE VIRGINIA

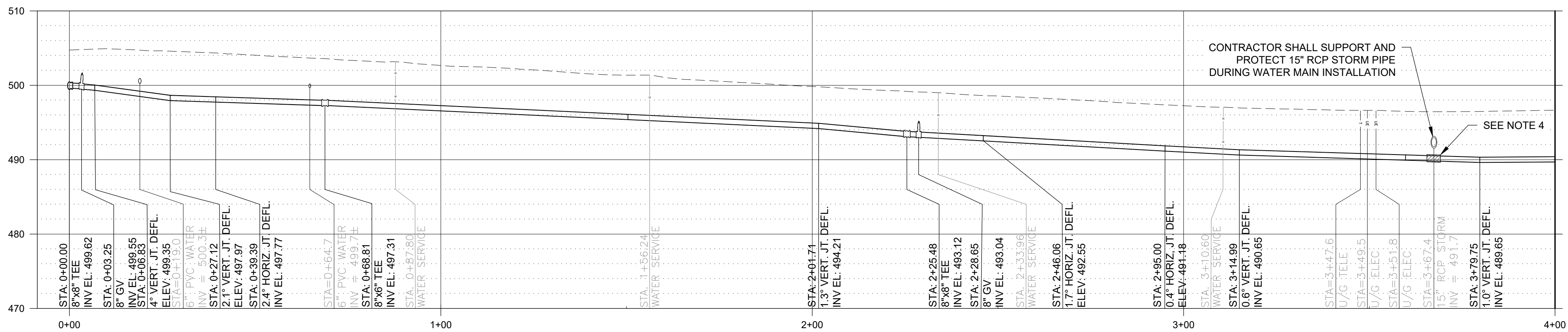
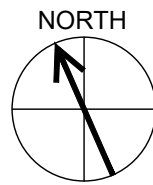
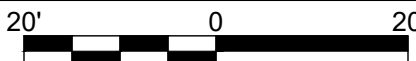


SHEET NOTES

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4. AT STORM CROSSING, FULLY WRAP WATER MAIN WITH INSULATION. LENGTH OF INSULATION SHALL BE MIN. 3' CENTERED ON STORM SEWER. CONTRACTOR SHALL PROVIDE BRACING AND SUPPORT OF EXISTING STORM PIPE DURING CONSTRUCTION.

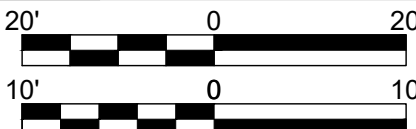
PLAN

1" = 20'



PROFILE

SCALE: HORIZ. 1"=20'
VERT. 1"=10'

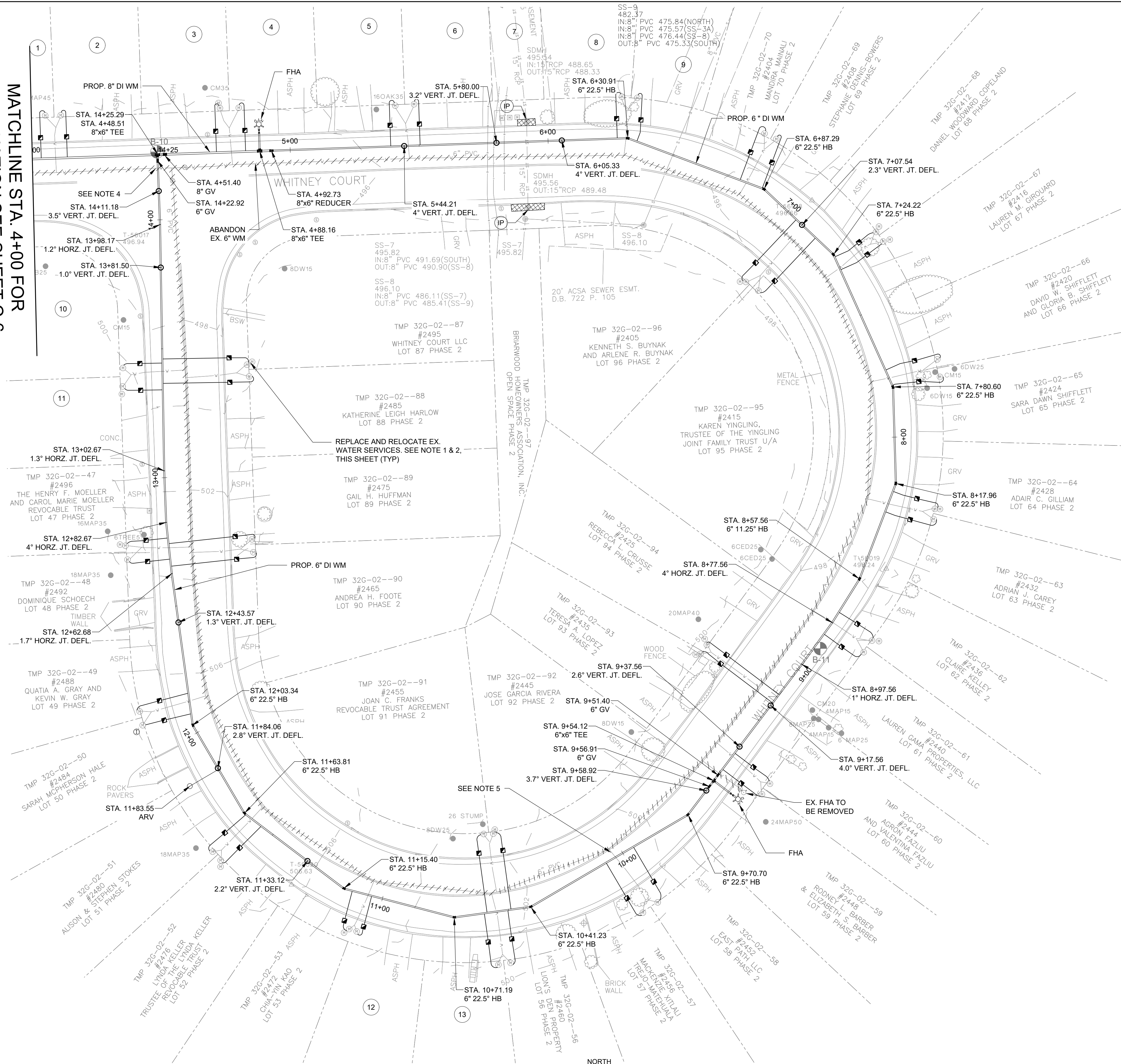


MATCHLINE STA. 4+00 FOR
CONTINUATION SEE SHEET C-8

SHEET NOTES

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3. SEE PROFILE ON SHEET C-10.
4. LOCATION OF EX. WATERMAIN IS APPROXIMATE. CONTACTOR SHALL TEST PIT TO CONFIRM LOCATION, ALIGNMENT AND DEPTH OF EX. WATERMAIN AND PROVIDE RESULTS TO THE ACSA PRIOR TO CONSTRUCTION.
5. CONTRACTOR SHALL CONFIRM THE ALIGNMENT OF THE EXISTING WATERMAIN AND IDENTIFY WHETHER THRUST BLOCKS ARE PRESENT AT THE IDENTIFIED LOCATION. IF A THRUST BLOCK IS PRESENT THAT INTERFERES WITH INSTALLATION OF THE PROPOSED WATERMAIN, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER. PER THE SEQUENCING CONDITIONS OF THE CONTRACT, THIS WORK SHALL BE COMPLETED PRIOR TO THE START OF WATERMAIN CONSTRUCTION.

MATCHLINE STA. 4+00 FOR
CONTINUATION SEE SHEET C-6



- 1 TMP 32G-02-78
#2372
VICTOR RAGLAND
LOT 78 PHASE 2
- 2 TMP 32G-02-77
#2376
MICHAEL A. FARABOUGH
AND KAREN R. FARABOUGH
LOT 77 PHASE 2
- 3 TMP 32G-02-76
#2380
JAMIE L. COVELL
LOT 76 PHASE 2
- 4 TMP 32G-02-75
#2384
ALEXANDER W. STROMBERG
LOT 75 PHASE 2
- 5 TMP 32G-02-74
#2388
GILBERT LOPEZ
AND MICHAEL LOPEZ
LOT 74 PHASE 2
- 6 TMP 32G-02-73
#2392
NESIBU H. SIBHAT
LOT 73 PHASE 2
- 7 TMP 32G-02-97
#2400
BRIARWOOD HOMEOWNERS
ASSOCIATION
- 8 TMP 32G-02-72
#2396
MELISSA A. BATTEN
LOT 72 PHASE 2
- 9 TMP 32G-02-71
#2400
EDWARD C. LIS, JR.
LOT 71 PHASE 2
- 10 TMP 32G-02-45
#2504
MATTHEW C. FIELD
LOT 45 PHASE 2
- 11 TMP 32G-02-46
#2500
PHILLIP J. MULLINEX
LOT 46 PHASE 2
- 12 TMP 32G-02-54
#2468
ELIZABETH M. THOMAS
LOT 54 PHASE 2
- 13 TMP 32G-02-55
#2464
SANDRA L. THOMPSON
LOT 55 PHASE 2



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CLIENT
**ALBEMARLE COUNTY
SERVICE AUTHORITY**

NO.	DATE	REVISION	INT.
1	03/06/2025	REISSUED FOR BID	MLH

DESIGNER / PROFESSIONAL ENGINEER RESPONSIBLE
MLH
DESIGNED BY
DSS
CHECKED BY
RJD
DRAWN BY
RPW
FILE NO.
1087705.1940100728
DATE
MARCH 2025

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY
RAMBOLL

PROJECT
BRIARWOOD WATER MAIN REPLACEMENT
ADDRESS
BRIARWOOD SUBDIVISION - ALBEMARLE COUNTY, VIRGINIA

SHEET DESCRIPTION
**PLAN - WHITNEY CT.
STA. 4+00 TO STA. 14+26**
DRAWING LOCATION
CHARLOTTESVILLE VIRGINIA



CLIENT
**ALBEMARLE COUNTY
SERVICE AUTHORITY**

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1	03/06/2025	REISSUED FOR BID	MLH
NO.	DATE	REVISION	INT.

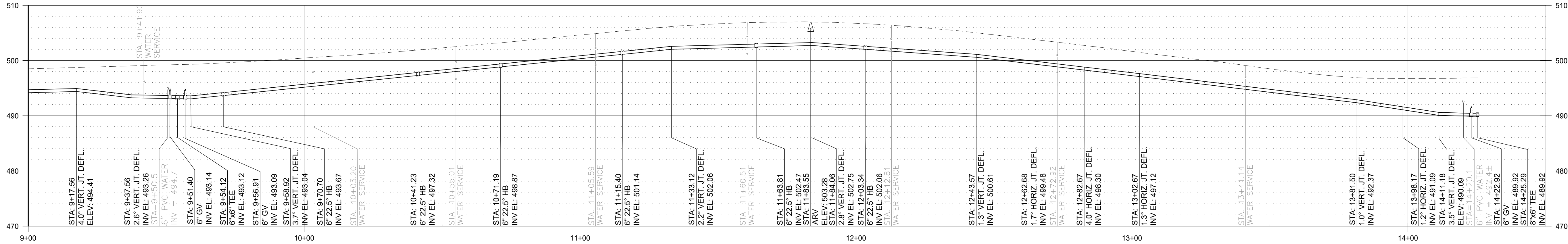
DESIGNER / PROFESSIONAL ENGINEER RESPONSIBLE
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RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY
RAMBOLL

PROJECT
BRIARWOOD WATER MAIN REPLACEMENT
ADDRESS
BRIARWOOD SUBDIVISION - ALBEMARLE COUNTY, VIRGINIA

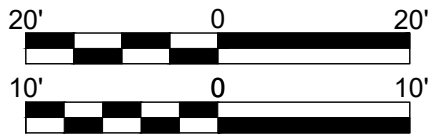
SHEET DESCRIPTION
**PROFILE - WHITNEY CT.
STA. 4+00 TO STA. 14+26**
DRAWING LOCATION
CHARLOTTESVILLE VIRGINIA

MATCHLINE THIS SHEET

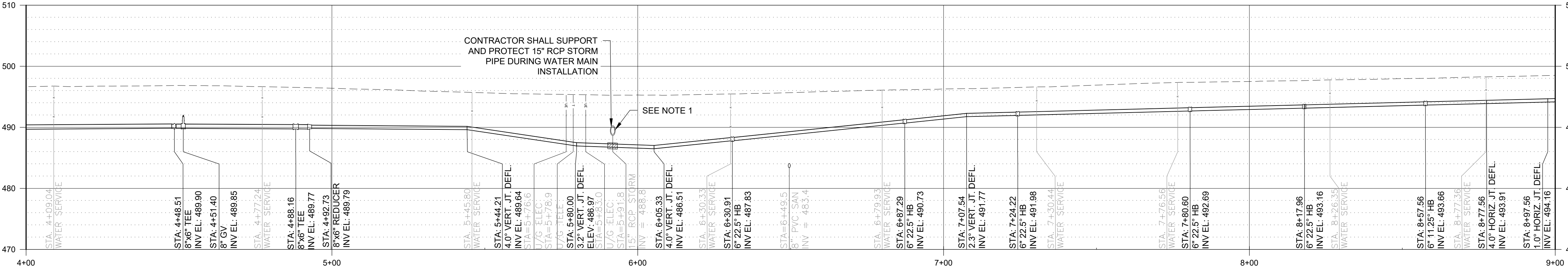


PROFILE

SCALE: HORIZ. 1"=20'
VERT. 1"=10'

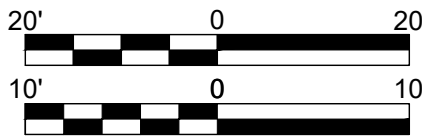


MATCHLINE STA. 4+00 FOR
CONTINUATION SEE SHEET C-6



PROFILE

SCALE: HORIZ. 1"=20'
VERT. 1"=10'



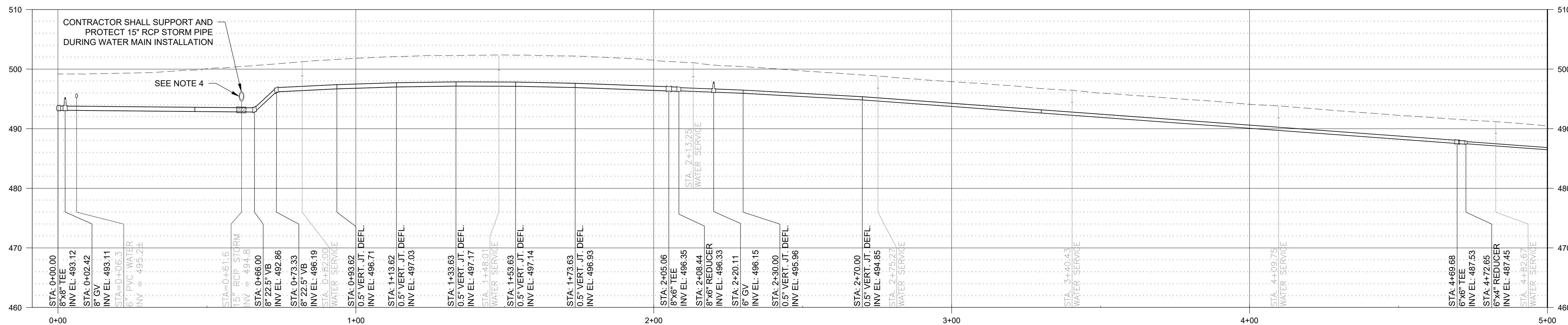
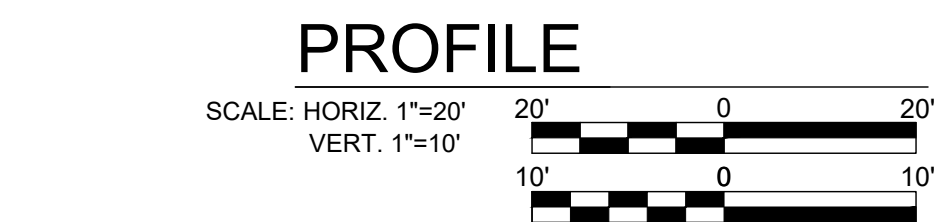
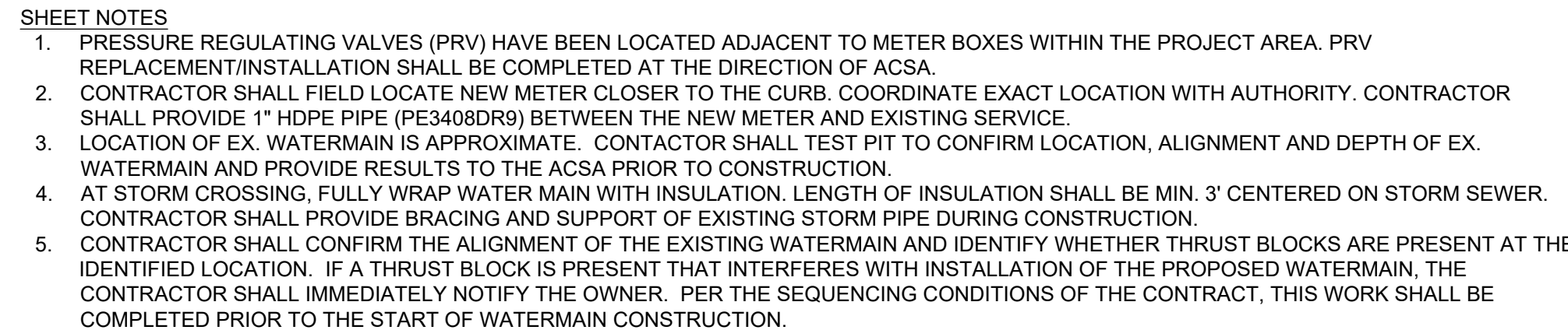
MATCHLINE THIS SHEET

SHEET NOTES

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CONTRACTOR SHALL SUPPORT
AND PROTECT 15" RCP STORM
PIPE DURING WATER MAIN
INSTALLATION

SEE NOTE 1



MATCHLINE STA. 5+00 FOR
CONTINUATION SEE SHEET C-10

- 1 TMP 32G-02--35
#4601
QUARFARRAH C. HUMES
LOT 35 PHASE 2
- 2 TMP 32G-02--22
#4592
LINDSAY G. LEAKE, III
LOT 22 PHASE 2



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CLIENT
ALBEMARLE COUNTY
SERVICE AUTHORITY

1	03/06/2025	REISSUED FOR BID		MLH
NO.	DATE	REVISION		INT.

DESIGNER / PROFESSIONAL ENGINEER RESPONSIBLE

MLH

DESIGNED BY	FILE NO.
DSS	1087705.1940100728
CHECKED BY	DATE
RJD	MARCH 2025
DRAWN BY	
RPW	

**RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.**
A RAMBOLL COMPANY

RAMBOLL

PROJECT
BRIARWOOD WATER MAIN REPLACEMENT

ADDRESS
BRIARWOOD SUBDIVISION - ALBEMARLE COUNTY, VIRGINIA

SHEET DESCRIPTION

**PLAN AND PROFILE - HEATHER CT.
STA. 0+00 TO STA. 5+00**

DRAWING LOCATION
CHARLOTTESVILLE VIRGINIA



Mar-07-2025

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SERVICE AUTHORITY**

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RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY



PROJECT
BRIARWOOD WATER MAIN REPLACEMENT

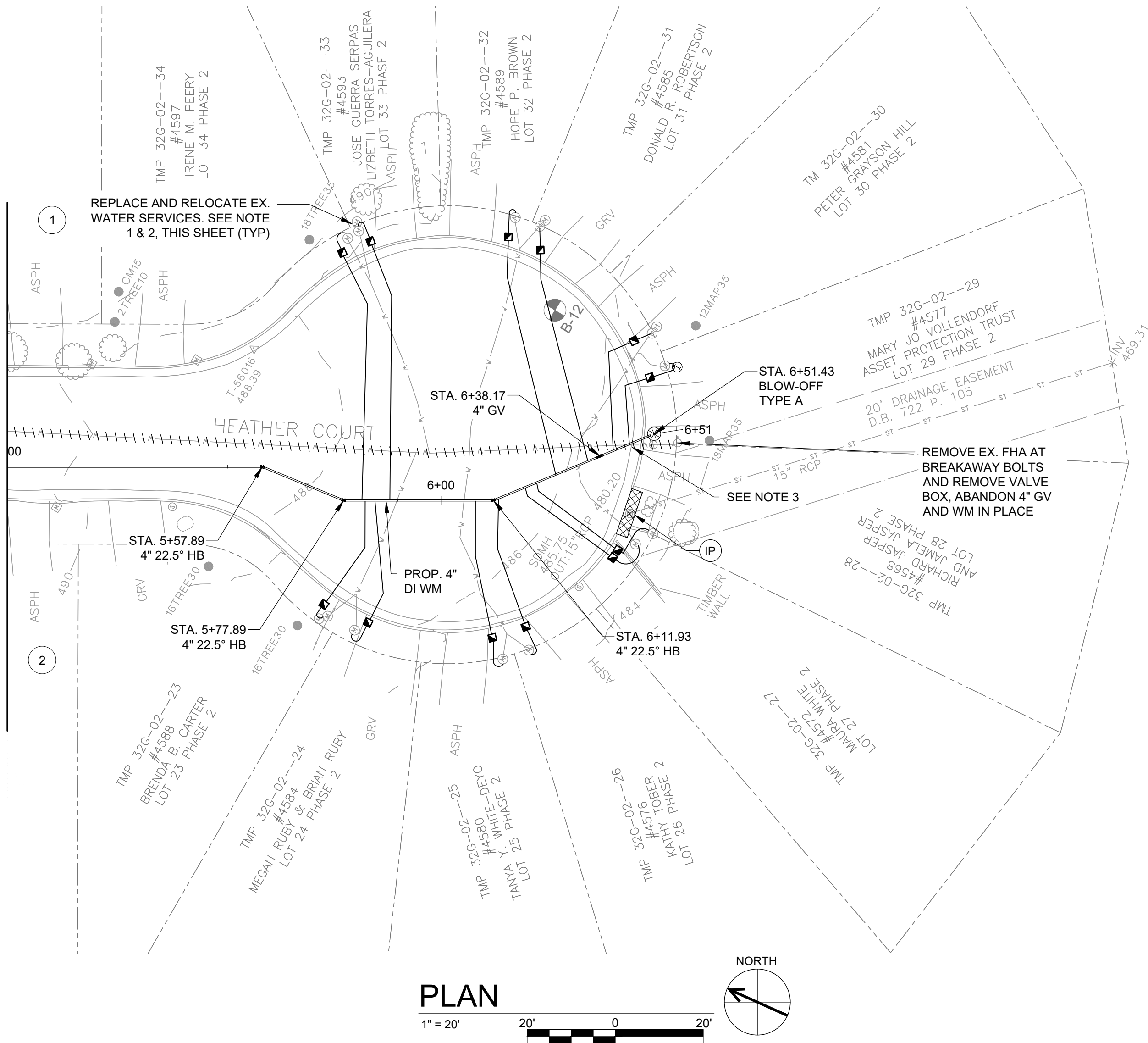
ADDRESS
BRIARWOOD SUBDIVISION - ALBEMARLE COUNTY, VIRGINIA

SHEET DESCRIPTION
**PLAN AND PROFILE - HEATHER CT.
STA. 5+00 TO STA. 6+80**

DRAWING LOCATION
CHARLOTTESVILLE VIRGINIA

C-10

MATCHLINE STA. 5+00 FOR
CONTINUATION SEE SHEET C-9

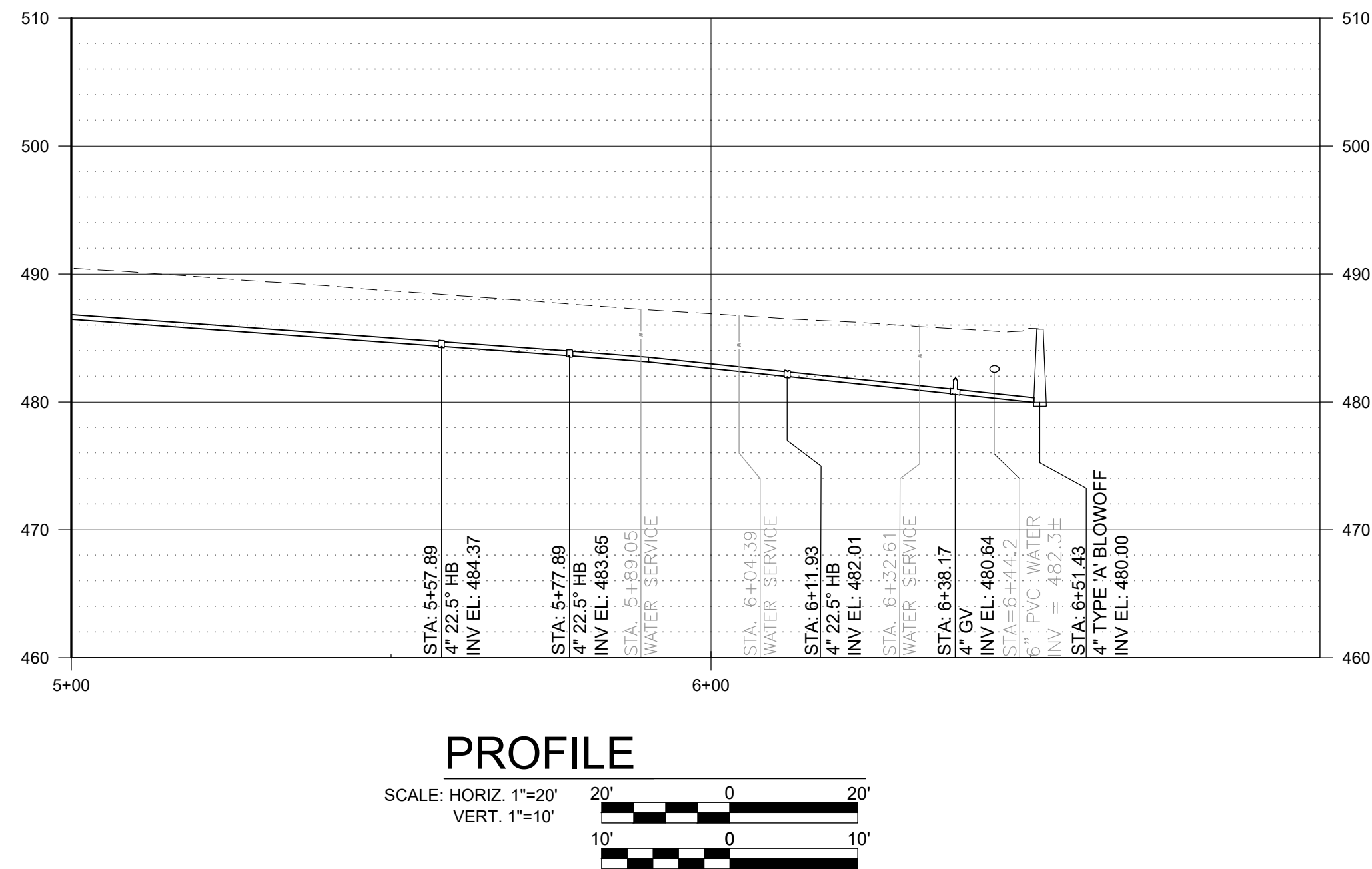


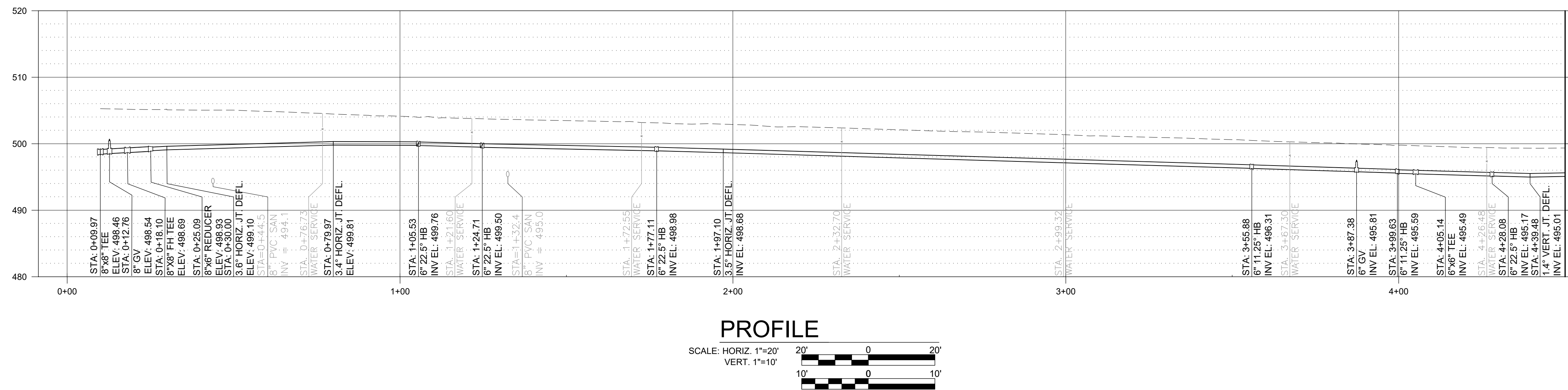
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#4601
QUARFARRAH C. HUMES
LOT 35 PHASE 2
- TMP 32G-02--22
#4592
LINDSAY G. LEAKE, III
LOT 22 PHASE 2

MATCHLINE STA. 5+00 FOR
CONTINUATION SEE SHEET C-9



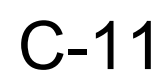


CONTINUATION STA. 4+50 FOR
SHEET C-12

ASPH

1/2" = 1' 0" 0.00' 8.00' 1.00' 1.25' 1.50' 1.75' 2.00' 2.25' 2.50' 2.75' 3.00' 3.25' 3.50' 3.75' 4.00' 4.25' 4.50' 4.75' 5.00' 5.25' 5.50' 5.75' 6.00' 6.25' 6.50' 6.75' 7.00' 7.25' 7.50' 7.75' 8.00' 8.25' 8.50' 8.75' 9.00' 9.25' 9.50' 9.75' 10.00' 10.25' 10.50' 10.75' 11.00' 11.25' 11.50' 11.75' 12.00' 12.25' 12.50' 12.75' 13.00' 13.25' 13.50' 13.75' 14.00' 14.25' 14.50' 14.75' 15.00' 15.25' 15.50' 15.75' 16.00' 16.25' 16.50' 16.75' 17.00' 17.25' 17.50' 17.75' 18.00' 18.25' 18.50' 18.75' 19.00' 19.25' 19.50' 19.75' 20.00' 20.25' 20.50' 20.75' 21.00' 21.25' 21.50' 21.75' 22.00' 22.25' 22.50' 22.75' 23.00' 23.25' 23.50' 23.75' 24.00' 24.25' 24.50' 24.75' 25.00' 25.25' 25.50' 25.75' 26.00' 26.25' 26.50' 26.75' 27.00' 27.25' 27.50' 27.75' 28.00' 28.25' 28.50' 28.75' 29.00' 29.25' 29.50' 29.75' 30.00' 30.25' 30.50' 30.75' 31.00' 31.25' 31.50' 31.75' 32.00' 32.25' 32.50' 32.75' 33.00' 33.25' 33.50' 33.75' 34.00' 34.25' 34.50' 34.75' 35.00' 35.25' 35.50' 35.75' 36.00' 36.25' 36.50' 36.75' 37.00' 37.25' 37.50' 37.75' 38.00' 38.25' 38.50' 38.75' 39.00' 39.25' 39.50' 39.75' 40.00' 40.25' 40.50' 40.75' 41.00' 41.25' 41.50' 41.75' 42.00' 42.25' 42.50' 42.75' 43.00' 43.25' 43.50' 43.75' 44.00' 44.25' 44.50' 44.75' 45.00' 45.25' 45.50' 45.75' 46.00' 46.25' 46.50' 46.75' 47.00' 47.25' 47.50' 47.75' 48.00' 48.25' 48.50' 48.75' 49.00' 49.25' 49.50' 49.75' 50.00' 50.25' 50.50' 50.75' 51.00' 51.25' 51.50' 51.75' 52.00' 52.25' 52.50' 52.75' 53.00' 53.25' 53.50' 53.75' 54.00' 54.25' 54.50' 54.75' 55.00' 55.25' 55.50' 55.75' 56.00' 56.25' 56.50' 56.75' 57.00' 57.25' 57.50' 57.75' 58.00' 58.25' 58.50' 58.75' 59.00' 59.25' 59.50' 59.75' 60.00' 60.25' 60.50' 60.75' 61.00' 61.25' 61.50' 61.75' 62.00' 62.25' 62.50' 62.75' 63.00' 63.25' 63.50' 63.75' 64.00' 64.25' 64.50' 64.75' 65.00' 65.25' 65.50' 65.75' 66.00' 66.25' 66.50' 66.75' 67.00' 67.25' 67.50' 67.75' 68.00' 68.25' 68.50' 68.75' 69.00' 69.25' 69.50' 69.75' 70.00' 70.25' 70.50' 70.75' 71.00' 71.25' 71.50' 71.75' 72.00' 72.25' 72.50' 72.75' 73.00' 73.25' 73.50' 73.75' 74.00' 74.25' 74.50' 74.75' 75.00' 75.25' 75.50' 75.75' 76.00' 76.25' 76.50' 76.75' 77.00' 77.25' 77.50' 77.75' 78.00' 78.25' 78.50' 78.75' 79.00' 79.25' 79.50' 79.75' 80.00' 80.25' 80.50' 80.75' 81.00' 81.25' 81.50' 81.75' 82.00' 82.25' 82.50' 82.75' 83.00' 83.25' 83.50' 83.75' 84.00' 84.25' 84.50' 84.75' 85.00' 85.25' 85.50' 85.75' 86.00' 86.25' 86.50' 86.75' 87.00' 87.25' 87.50' 87.75' 88.00' 88.25' 88.50' 88.75' 89.00' 89.25' 89.50' 89.75' 90.00' 90.25' 90.50' 90.75' 91.00' 91.25' 91.50' 91.75' 92.00' 92.25' 92.50' 92.75' 93.00' 93.25' 93.50' 93.75' 94.00' 94.25' 94.50' 94.75' 95.00' 95.25' 95.50' 95.75' 96.00' 96.25' 96.50' 96.75' 97.00' 97.25' 97.50' 97.75' 98.00' 98.25' 98.50' 98.75' 99.00' 99.25' 99.50' 99.75' 100.00' 100.25' 100.50' 100.75' 101.00' 101.25' 101.50' 101.75' 102.00' 102.25' 102.50' 102.75' 103.00' 103.25' 103.50' 103.75' 104.00' 104.25' 104.50' 104.75' 105.00' 105.25' 105.50' 105.75' 106.00' 106.25' 106.50' 106.75' 107.00' 107.25' 107.50' 107.75' 108.00' 108.25' 108.50' 108.75' 109.00' 109.25' 109.50' 109.75' 110.00' 110.25' 110.50' 110.75' 111.00' 111.25' 111.50' 111.75' 112.00' 112.25' 112.50' 112.75' 113.00' 113.25' 113.50' 113.75' 114.00' 114.25' 114.50' 114.75' 115.00' 115.25' 115.50' 115.75' 116.00' 116.25' 116.50' 116.75' 117.00' 117.25' 117.50' 117.75' 118.00' 118.25' 118.50' 118.75' 119.00' 119.25' 119.50' 119.75' 120.00' 120.25' 120.50' 120.75' 121.00' 121.25' 121.50' 121.75' 122.00' 122.25' 122.50' 122.75' 123.00' 123.25' 123.50' 123.75' 124.00' 124.25' 124.50' 124.75' 125.00' 125.25' 125.50' 125.75' 126.00' 126.25' 126.50' 126.75' 127.00' 127.25' 127.50' 127.75' 128.00' 128.25' 128.50' 128.75' 129.00' 129.25' 129.50' 129.75' 130.00' 130.25' 130.50' 130.75' 131.00' 131.25' 131.50' 131.75' 132.00' 132.25' 132.50' 132.75' 133.00' 133.25' 133.50' 133.75' 134.00' 134.25' 134.50' 134.75' 135.00' 135.25' 135.50' 135.75' 136.00' 136.25' 136.50' 136.75' 137.00' 137.25' 137.50' 137.75' 138.00' 138.25' 138.50' 138.75' 139.00' 139.25' 139.50' 139.75' 140.00' 140.25' 140.50'

MATCHLINE STA. 4+50 FOR
CONTINUATION SEE SHEET C-12



SHEET NOTES

- PRESSURE REGULATING VALVES (PRV) HAVE BEEN LOCATED ADJACENT TO METER BOXES WITHIN THE PROJECT AREA. PRV REPLACEMENT/INSTALLATION SHALL BE COMPLETED AT THE DIRECTION OF ACSA
- CONTRACTOR SHALL FIELD LOCATE NEW METER CLOSER TO THE CURB. COORDINATE EXACT LOCATION WITH AUTHORITY.
- CONTRACTOR SHALL PROVIDE 1" HDPE PIPE (PE3408DR9) BETWEEN THE NEW METER AND EXISTING SERVICE
- LOCATION OF EX. WATERMAIN IS APPROXIMATE. CONTRACTOR SHALL TEST PIT TO CONFIRM LOCATION, ALIGNMENT AND DEPTH OF EX. WATERMAIN AND PROVIDE RESULTS TO THE ACSA PRIOR TO CONSTRUCTION.
- AT STORM CROSSING, FULLY WRAP WATER MAIN WITH INSULATION. LENGTH OF INSULATION SHALL BE MIN. 3' CENTERED ON STORM SEWER. CONTRACTOR SHALL PROVIDE BRACING AND SUPPORT OF EXISTING STORM PIPE DURING CONSTRUCTION.
- CONTRACTOR SHALL CONFIRM THE ALIGNMENT OF THE EXISTING WATERMAIN AND IDENTIFY WHETHER THRUST BLOCKS ARE PRESENT AT THE IDENTIFIED LOCATION. IF A THRUST BLOCK IS PRESENT THAT INTERFERES WITH INSTALLATION OF THE PROPOSED WATERMAIN, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER. PER THE SEQUENCING CONDITIONS OF THE CONTRACT, THIS WORK SHALL BE COMPLETED PRIOR TO THE START OF WATERMAIN CONSTRUCTION.

1
TMP 32G-07--27
#4742
ADRIENNE VENICE HARRIS
AND SAMEED G. HARRIS
LOT 27 PHASE 7

SS-14
500.15
IN:4" PVC 496.62(WEST)
IN:4" PVC 496.68(SOUTH)
IN:6" PVC 496.52(SS-13)
OUT:8" PVC 496.40(SS-15)

SS-13
501.11
IN:6" PVC 497.50(SOUTH)
OUT:6" PVC 497.37(SS-14)

SS-12
504.50
OUT:8" PVC 499.57(SS-11)

SS-11
509.34
IN:8" PVC 498.78(SS-12)
IN:8" PVC 498.67(SS-10)
OUT:8" PVC 498.59(SS-11A)

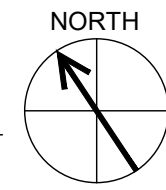
SS-10
509.48
IN:8" PVC 499.48(SOUTH)
OUT:8" PVC 499.38(SS-11)

MATCHLINE STA. 4+50 FOR
CONTINUATION SEE SHEET C-11

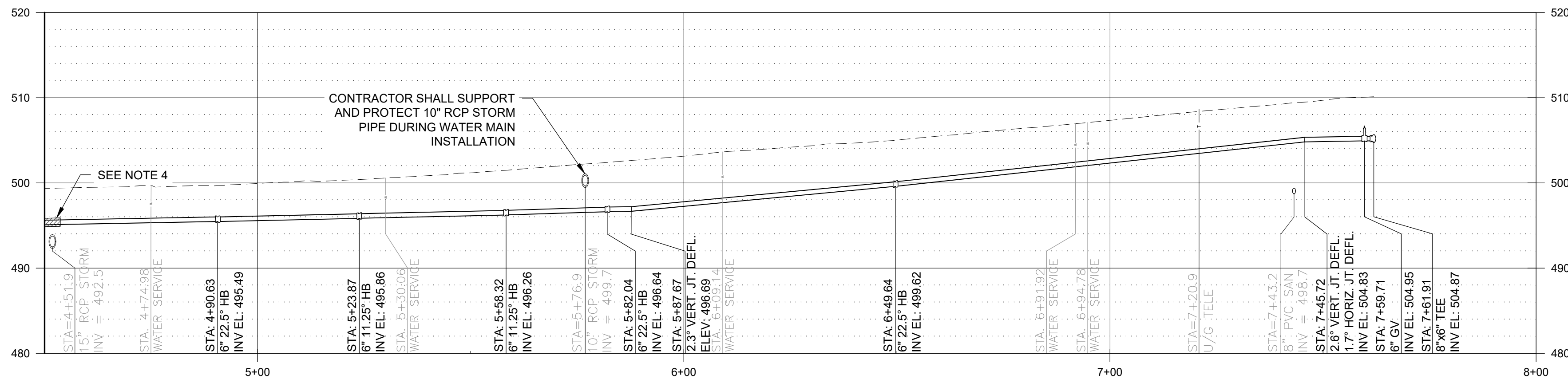
REPLACE AND RELOCATE EX.
WATER SERVICES. SEE NOTE 1 & 2,
THIS SHEET (TYP)

PLAN

1" = 20'

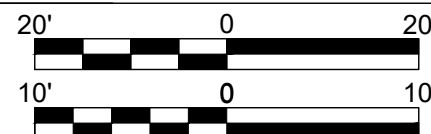


MATCHLINE STA. 4+50 FOR
CONTINUATION SEE SHEET C-11



PROFILE

SCALE: HORIZ. 1"=20'
VERT. 1"=10'



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CLIENT
**ALBEMARLE COUNTY
SERVICE AUTHORITY**

1	03/06/2025	REISSUED FOR BID	MLH
NO.	DATE	REVISION	INT.

DESIGNER / PROFESSIONAL ENGINEER RESPONSIBLE			
MLH			
DESIGNED BY	FILE NO.		
DS	1087705.1940100728		
CHECKED BY	DATE		
RJD	MARCH 2025		
DRAWN BY			
RPW			

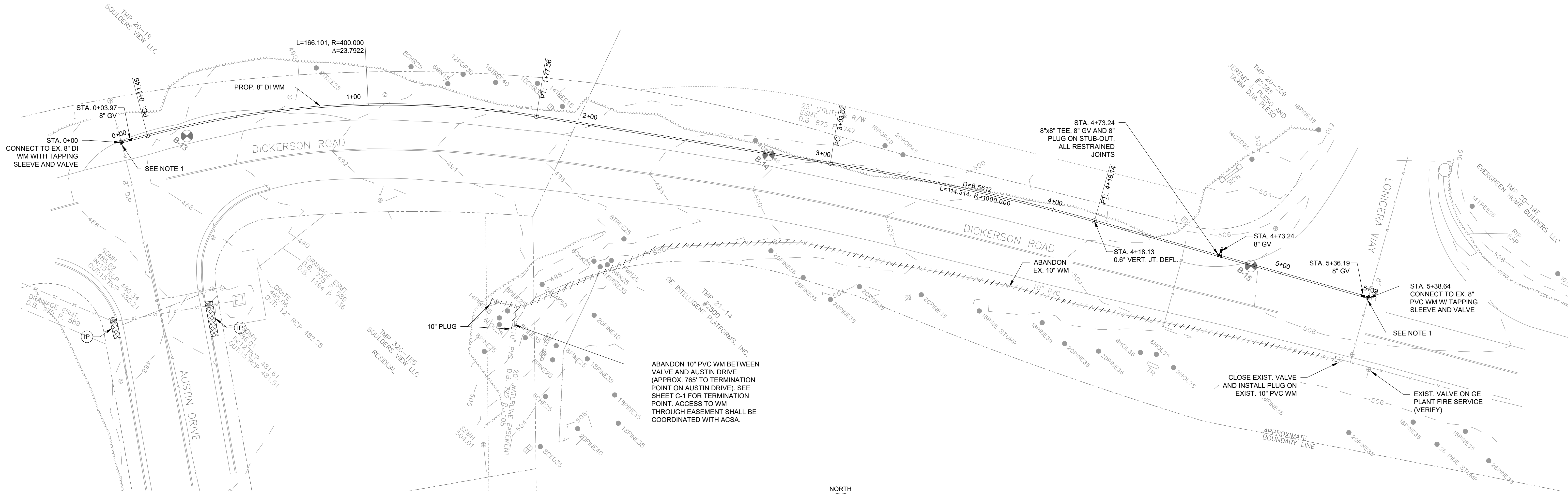
RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY
RAMBOLL

PROJECT
BRIARWOOD WATER MAIN REPLACEMENT

ADDRESS
BRIARWOOD SUBDIVISION - ALBEMARLE COUNTY, VIRGINIA

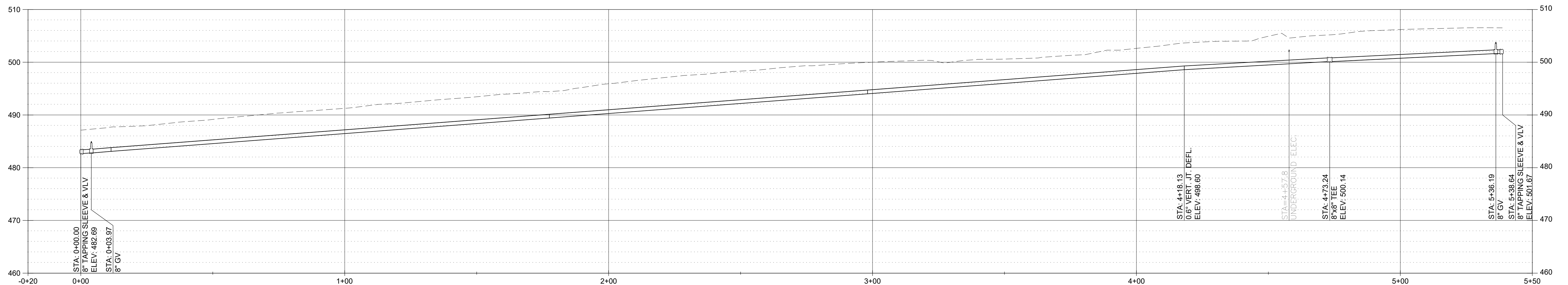
SHEET DESCRIPTION
**PLAN AND PROFILE - WREN CT.
STA. 4+50 TO STA. 7+62**

DRAWING LOCATION
CHARLOTTESVILLE VIRGINIA



SHEET NOTES

1. LOCATION OF EX. WATERMAIN IS APPROXIMATE. CONTACTOR SHALL TEST PIT TO CONFIRM LOCATION, ALIGNMENT AND DEPTH OF EX. WATERMAIN AND PROVIDE RESULTS TO THE ACSA PRIOR TO CONSTRUCTION.



PROFILE

SCALE: HORIZ. 1"=20'
VERT. 1"=10'



Mar-07-2025

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CLIENT
**ALBEMARLE COUNTY
SERVICE AUTHORITY**

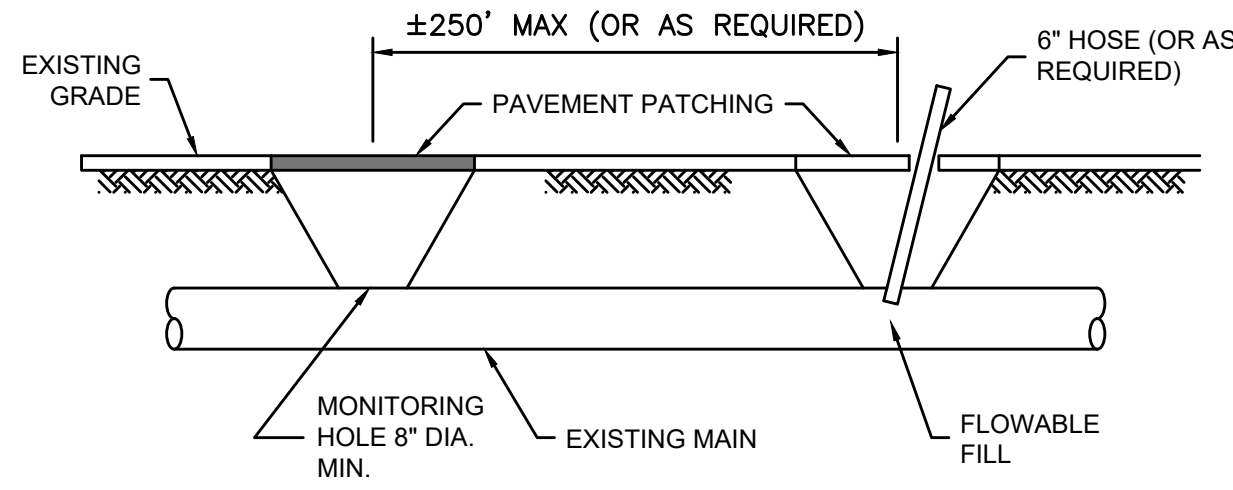
DESIGNED BY	DSS	FILE NO.	1087705.1940100728
CHECKED BY	RJD	DATE	MARCH 2025
DRAWN BY	RPW		
NO.	1	DATE	03/06/2025
		REISSUED FOR BID	
		REVISION	
		MLH	INT.

DESIGNER / PROFESSIONAL ENGINEER RESPONSIBLE
MLH
DESIGNED BY
DSS
CHECKED BY
RJD
DRAWN BY
RPW

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A RAMBOLL COMPANY
RAMBOLL

PROJECT
BRIARWOOD WATER MAIN REPLACEMENT
ADDRESS
BRIARWOOD SUBDIVISION - ALBEMARLE COUNTY, VIRGINIA

SHEET DESCRIPTION
**PLAN AND PROFILE - DICKERSON RD. STA.
0+00 TO STA. 5+36**
DRAWING LOCATION
CHARLOTTESVILLE VIRGINIA



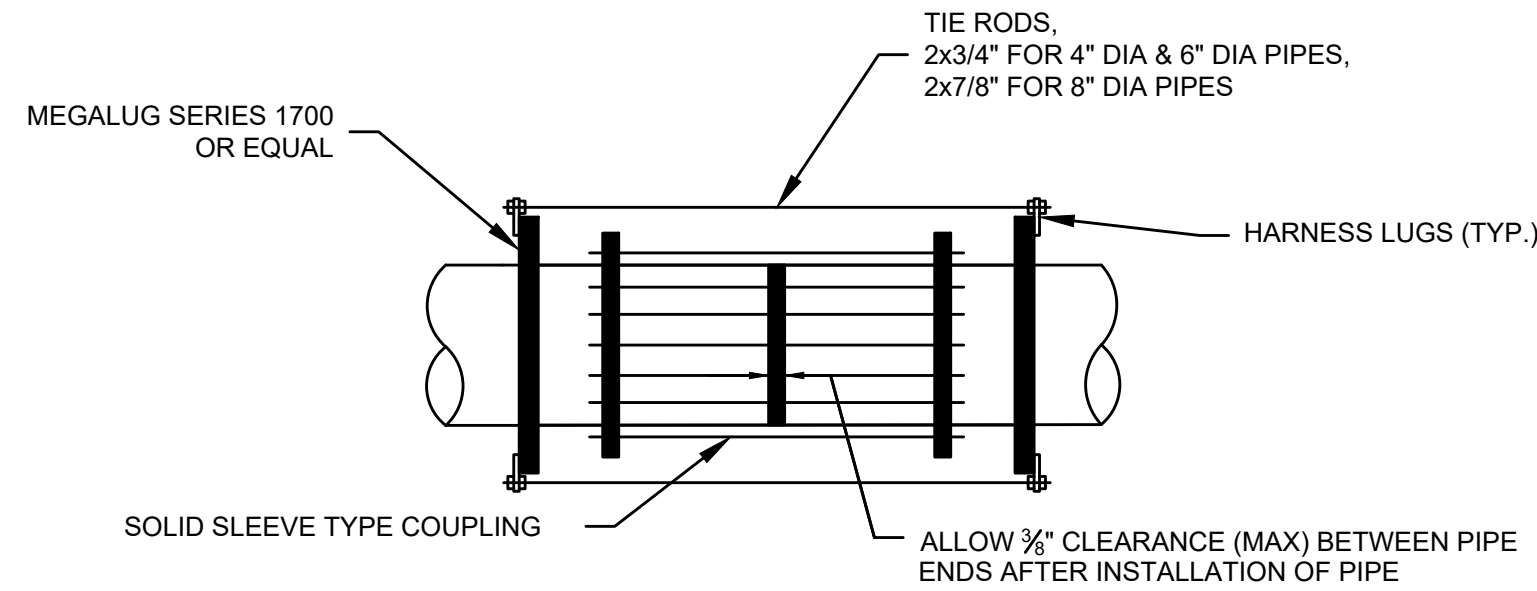
GENERAL NOTES:

- THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT AND SUPPLIES TO ABANDON THE EXISTING MAIN INCLUDING EXCAVATION AND BACKFILL, DEMOLITION AND SITE RESTORATION, ALL AS INDICATED, SPECIFIED AND/OR NECESSARY TO COMPLETE THE WORK.
- READY MIX FLOWABLE FILL (CDF) - SHALL CONSIST OF A MIXTURE OF PORTLAND CEMENT, FLY ASH AND SAND. MIXTURE SHALL CONSIST OF THE FOLLOWING APPROXIMATE QUANTITIES OF MATERIAL PER CUBIC YARD AND SHALL BE CAPABLE OF ACHIEVING A COMPRESSIVE STRENGTH OF 50 PSI.
CEMENT - 100 LBS.
FLY ASH - 300 LBS.
SAND (SSD) - 2,576 LBS.
WATER - 541 LBS. (65 GALLONS)
EXISTING MAIN TO BE ABANDONED SHALL BE CUT AND CAPPED OUTSIDE LIMITS OF PROPOSED TRENCH.
- PRIOR TO BEGINNING ABANDONMENT, ALL WATER REMAINING IN THE PIPELINE AND STRUCTURES, SHALL BE PUMPED OUT.
- ALL EXISTING VALVE BOXES, METER BOXES, FIRE HYDRANTS, AIR RELEASE VALVES, BLOW-OFFS, MANHOLES, AND ANY OTHER APPURTENANCES WHICH EXTEND TO, OR ABOVE, GRADE SHALL BE REMOVED DOWN TO THE ELEVATION OF THE PIPE. EXISTING METERS SHALL BE SALVAGED AND DELIVERED TO ACSA'S YARD.
- REPAIR PAVEMENT IN ACCORDANCE WITH RESTORATION DETAILS ON SHEET C-18.

UTILITY ABANDONMENT DETAIL

NOT TO SCALE

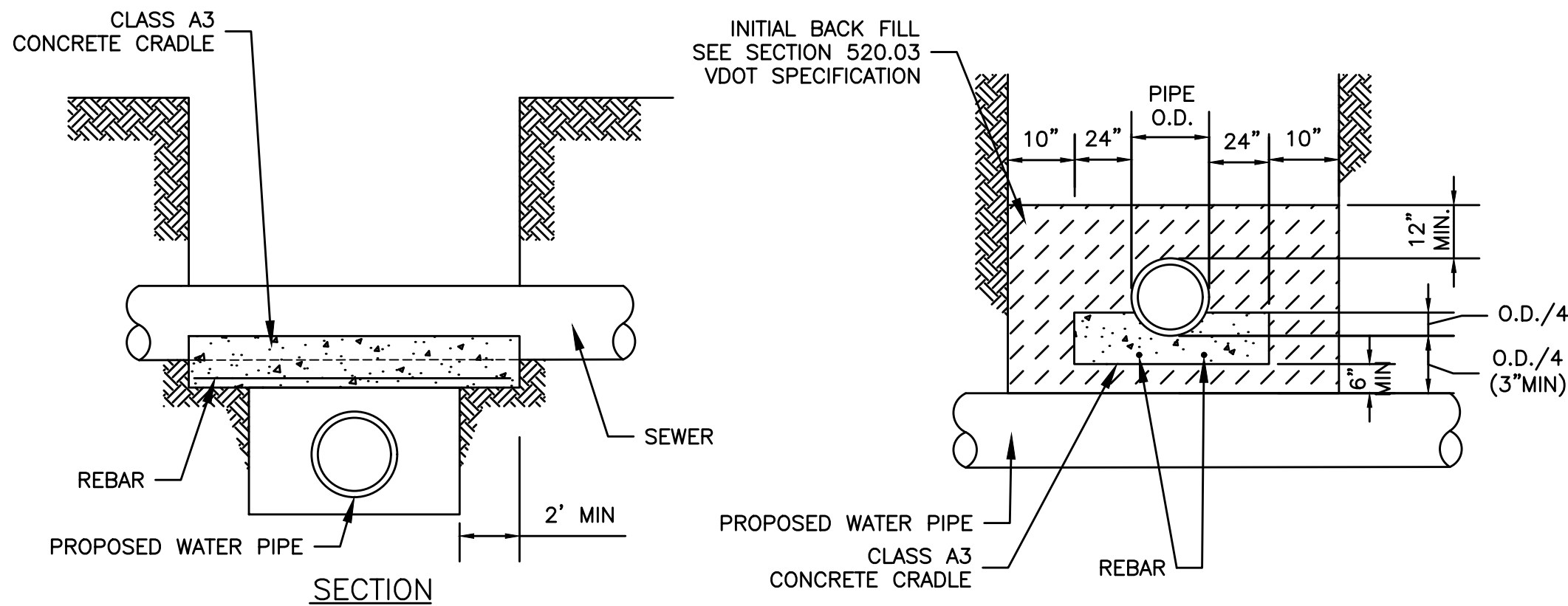
1
C-15



MECHANICAL SOLID SLEEVE DETAIL

N.T.S.

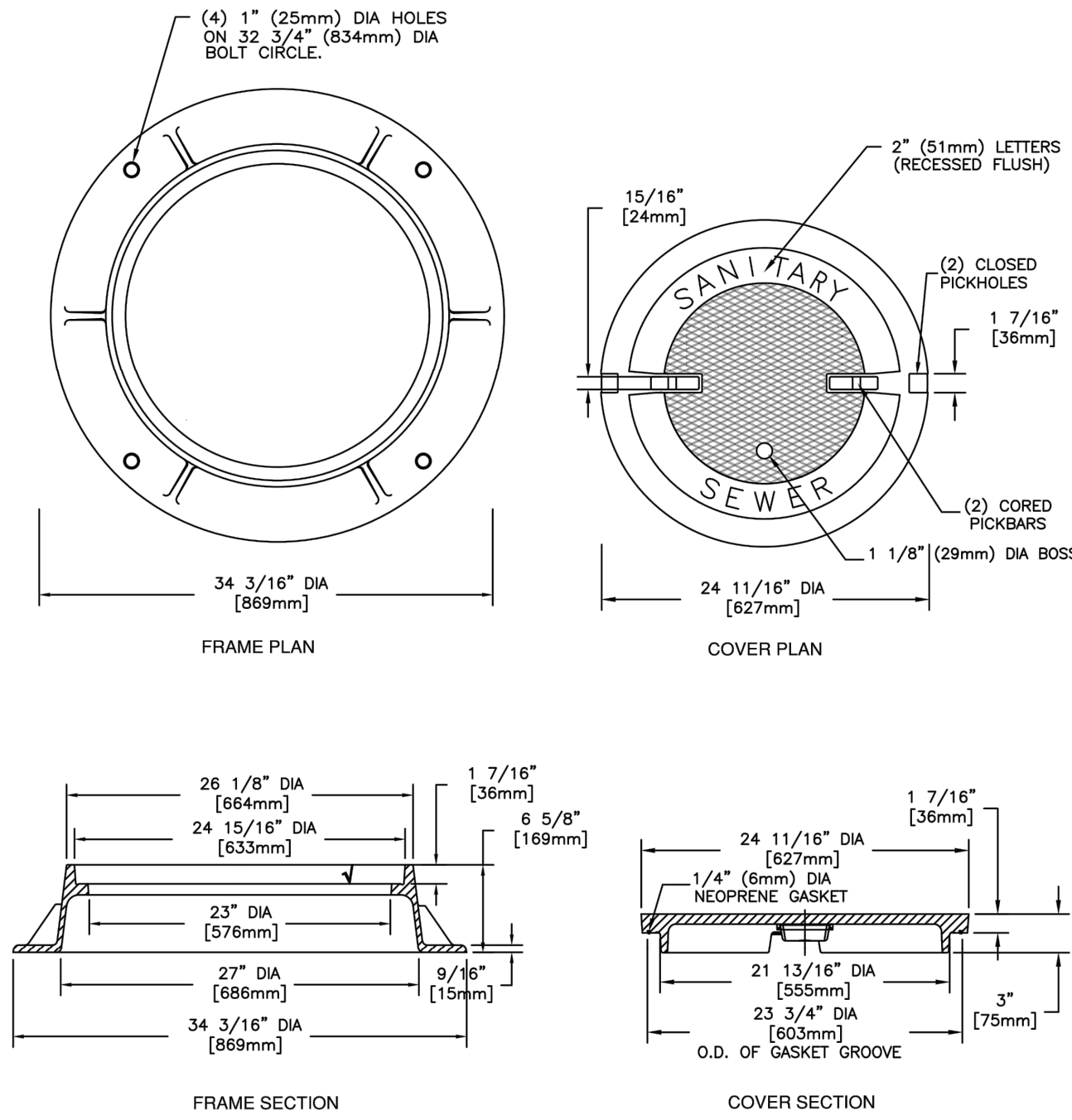
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C-15



CONCRETE CRADLE DETAIL

NOT TO SCALE

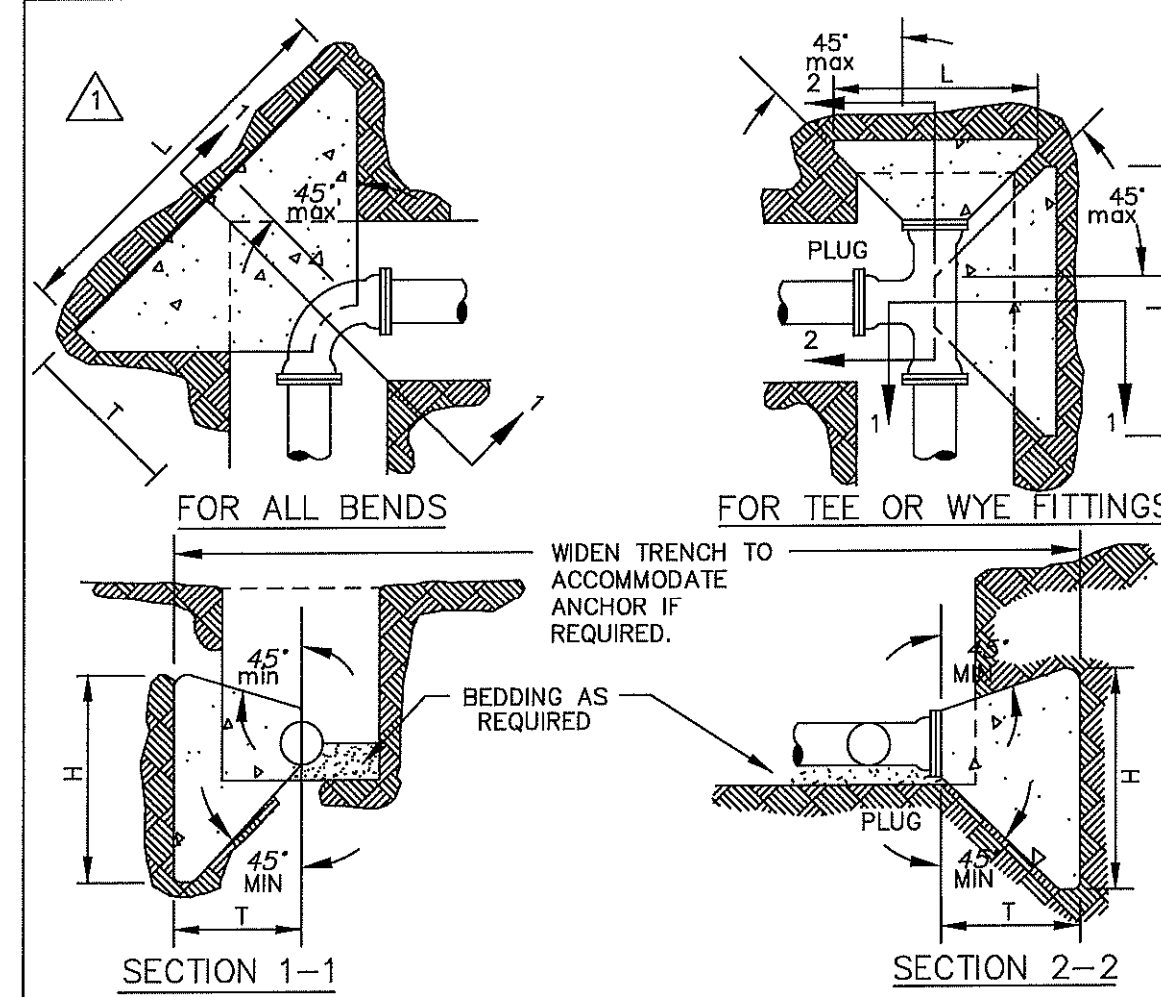
3
C-15



ALBEMARLE COUNTY
SERVICE AUTHORITY

TYPICAL MANHOLE FRAME
AND COVER
NOT TO SCALE

REV 8/6/2024
DETAIL
S-7



PIPE SIZE	DEGREE OF BEND	BEND DIMENSIONS (FEET)			VOL. CU. YD.	TEE AND PLUGS (FEET)			VOL. CU. YD.
		L	H	T		L	H	T	
4" & 6"	90	2.50	2.50	3.01	0.24	2.00	2.25	2.50	0.15
	45	2.00	2.25	2.60	0.15				
	22 1/2	1.50	2.00	2.52	0.10				
	11 1/4	1.50	2.00	2.50	0.10				
8"	90	3.66	3.16	3.21	0.48	3.16	2.91	2.66	0.32
	45	2.66	2.66	2.77	0.26				
	22 1/2	1.66	2.16	2.69	0.13				
	11 1/4	1.66	2.16	2.67	0.13				
10" & 12"	90	4.83	3.83	3.42	0.83	3.83	4.00	2.83	0.52
	45	3.33	3.58	2.95	0.43				
	22 1/2	2.33	2.58	2.86	0.24				
	11 1/4	1.83	2.33	2.84	0.18				

- THRUST BLOCKS ARE REQUIRED WHENEVER THE PIPELINE : CHANGES DIRECTION, CHANGES SIZE, DEAD ENDS AND AT VALVES.
- USE 2500 P.S.I. CONCRETE.
- NO CONCRETE SHALL BE POURED ON ANY PART OF THE JOINT.
- THE CONSULTING ENGINEER SHALL BE RESPONSIBLE TO THE VERIFY THE TYPE & SIZE OF ALL THRUST BLOCKS.

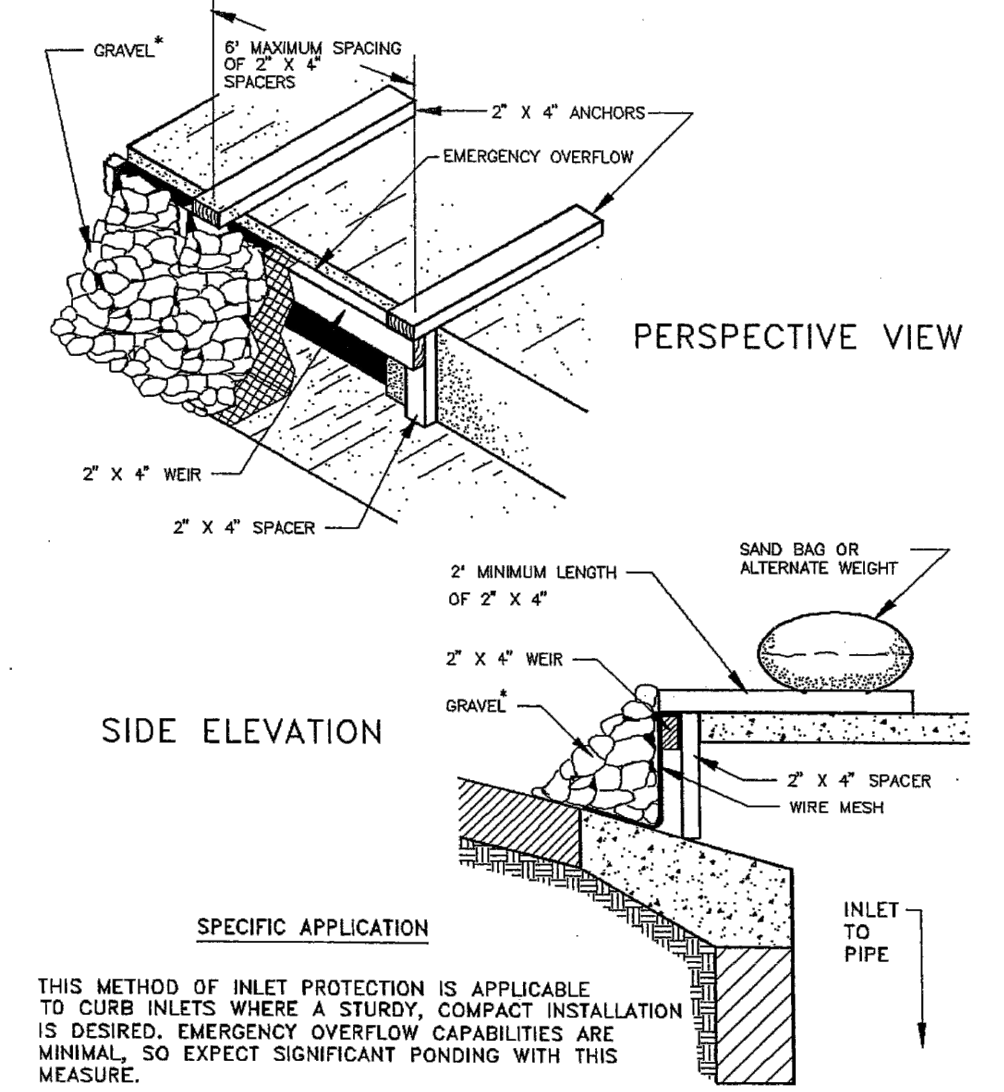
CONCRETE THRUST BLOCKS

NTS
FIG. W-3
TD-3

1992

3.07

CURB INLET PROTECTION WITH 2-INCH X 4-INCH WOODEN WEIR



Source: 1983 Maryland Standards and Specifications for
Soil Erosion and Sediment Control, and USDA-SCS

Plate 3.07-7

III - 43



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CLIENT
**ALBEMARLE COUNTY
SERVICE AUTHORITY**

NO.	DATE	REVISION	INT.
1	03/06/2025	REISSUED FOR BID	MLH

DESIGNER / PROFESSIONAL ENGINEER RESPONSIBLE	
MLH	
DESIGNED BY DSS	FILE NO. 1087705.1940100728
CHECKED BY RJD	DATE MARCH 2025
DRAWN BY RPW	

RAMBOLL
RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

PROJECT
BRIARWOOD WATER MAIN REPLACEMENT

ADDRESS
BRIARWOOD SUBDIVISION - ALBEMARLE COUNTY, VIRGINIA

SHEET DESCRIPTION
DETAILS

DRAWING LOCATION
CHARLOTTESVILLE VIRGINIA

C-15



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ENGINEER, TO ALTER THIS DOCUMENT.

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CLIENT
**ALBEMARLE COUNTY
SERVICE AUTHORITY**

NO.	DATE	REVISION	INT.
1	03/06/2025	REISSUED FOR BID	MLH

DESIGNER / PROFESSIONAL ENGINEER RESPONSIBLE
MLH

DESIGNED BY
OSS

CHECKED BY
RJD

DRAWN BY
IH

FILE NO.
1087705.1940100728

DATE
MARCH 2025

RAMBOLL

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

PROJECT
BRIARWOOD WATER MAIN REPLACEMENT

ADDRESS
BRIARWOOD SUBDIVISION - ALBEMARLE COUNTY, VIRGINIA

SHEET DESCRIPTION
PAVEMENT PLAN 1

DRAWING LOCATION
CHARLOTTESVILLE VIRGINIA

VDOT PAVEMENT NOTE

- CONTRACTOR TO PERFORM A MINIMUM OF TWO IN-SITU CBR TESTS AT SUBGRADE LEVEL DURING CONSTRUCTION, ONE TEST OF AUSTIN OR BRIARWOOD DRIVE; ONE TEST OF ANY ONE OF THE NEIGHBORHOOD STREETS TO VERIFY THE ASSUMED SSV USED FOR PAVEMENT RESTORATION. ASSUMED SSV VALUE USED FOR EACH PAVEMENT RESTORATION DETAIL =5.0. SINCE RESILIENCY FACTOR (RF), PER VDOT PAVEMENT DESIGN GUIDE FOR SUBDIVISION AND SECONDARY ROADS IN VIRGINIA, FOR ALBEMARLE COUNTY = 1.0, AND SINCE SSV IS GIVEN BY THE EQUATION: $SSV = \text{DESIGN CBR} \times RF$, DESIGN CBR = SSV. A CBR TEST VALUE AT SUBGRADE DURING CONSTRUCTION OF EITHER A NEIGHBORHOOD OR A COLLECTOR STREET ≥ 5.0 IS SUFFICIENT INDICATION THAT PAVEMENT RESTORATION DETAILS ARE SUFFICIENT. NOTE: PERFORM TESTS AT ELEVATION OF LOWER BOUNDARY OF EXISTING ROADWAY BASE STONE; EXERCISE CAUTION TO AVOID EITHER DISTURBING OR COMPACTING SUBGRADE EARTH, PRIOR TO TESTING. COORDINATE AND PERFORM TESTS ACCORDING TO APPROVED VDOT METHODOLOGY; REPORT IN-SITU CBR TEST RESULTS TO: DESIGN ENGINEER (RAMBOLL), ALBEMARLE COUNTY SERVICE AUTHORITY, AND VDOT CHARLOTTESVILLE RESIDENCY, ATTENTION DANNY MARTINEZ, P.E. ASSISTANT RESIDENT ENGINEER.

REPLACE ALL MANHOLE FRAMES
AND COVERS WITHIN THE
PAVEMENT RESTORATION LIMIT.
SEE DETAIL ON SHEET C-15.

FOR CONTINUATION
SEE SHEET C-17

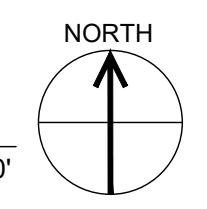
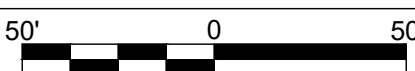
LEGEND

AUSTIN-BRIARWOOD DRIVE
PROPOSED LIMITS OF ASPHALT
PAVEMENT MILL & OVERLAY

NEIGHBORHOOD STREETS
PROPOSED LIMITS OF ASPHALT
PAVEMENT MILL & OVERLAY

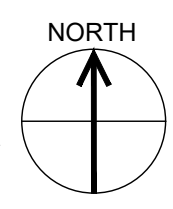
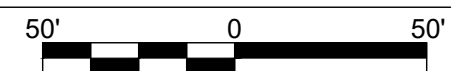
PARTIAL PLAN

1" = 50'



PARTIAL PLAN

1" = 50'



FOR CONTINUATION
SEE SHEET C-16

LEGEND

- AUSTIN-BRIARWOOD DRIVE
PROPOSED LIMITS OF ASPHALT
PAVEMENT MILL & OVERLAY
- NEIGHBORHOOD STREETS
PROPOSED LIMITS OF ASPHALT
PAVEMENT MILL & OVERLAY

REPLACE ALL MANHOLE FRAMES
AND COVERS WITHIN THE
PAVEMENT RESTORATION LIMIT.
SEE DETAIL ON SHEET C-15.

VDOT PAVEMENT NOTE

- CONTRACTOR TO PERFORM A MINIMUM OF TWO IN-SITU CBR TESTS AT SUBGRADE LEVEL DURING CONSTRUCTION. ONE TEST OF AUSTIN OR BRIARWOOD DRIVE; ONE TEST OF ANY ONE OF THE NEIGHBORHOOD STREETS TO VERIFY THE ASSUMED SSV USED FOR PAVEMENT RESTORATION. ASSUMED SSV VALUE USED FOR EACH PAVEMENT RESTORATION DETAIL =5.0. SINCE RESILIENCY FACTOR (RF), PER VDOT PAVEMENT DESIGN GUIDE FOR SUBDIVISION AND SECONDARY ROADS IN VIRGINIA, FOR ALBEMARLE COUNTY = 1.0, AND SINCE SSV IS GIVEN BY THE EQUATION: $SSV = \text{DESIGN CBR} \times RF$, DESIGN CBR =SSV. A CBR TEST VALUE AT SUBGRADE DURING CONSTRUCTION OF EITHER A NEIGHBORHOOD OR A COLLECTOR STREET ≥ 5.0 IS SUFFICIENT INDICATION THAT PAVEMENT RESTORATION DETAILS ARE SUFFICIENT. NOTE: PERFORM TESTS AT ELEVATION OF LOWER BOUNDARY OF EXISTING ROADWAY BASE STONE. EXERCISE CAUTION TO AVOID EITHER DISTURBING OR COMPACTING SUBGRADE EARTH, PRIOR TO TESTING. COORDINATE AND PERFORM TESTS ACCORDING TO APPROVED VDOT METHODOLOGY; REPORT IN-SITU CBR TEST RESULTS TO: DESIGN ENGINEER (RAMBOLL), ALBEMARLE COUNTY SERVICE AUTHORITY, AND VDOT CHARLOTTESVILLE RESIDENCY, ATTENTION DANNY MARTINEZ, P.E. ASSISTANT RESIDENT ENGINEER.



Mar-07-2025

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LICENSED ENGINEER, TO ALTER THIS DOCUMENT.

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DRAWING IS NOT SCALABLE IF NO SCALE BAR IS PRESENT.

CLIENT
**ALBEMARLE COUNTY
SERVICE AUTHORITY**

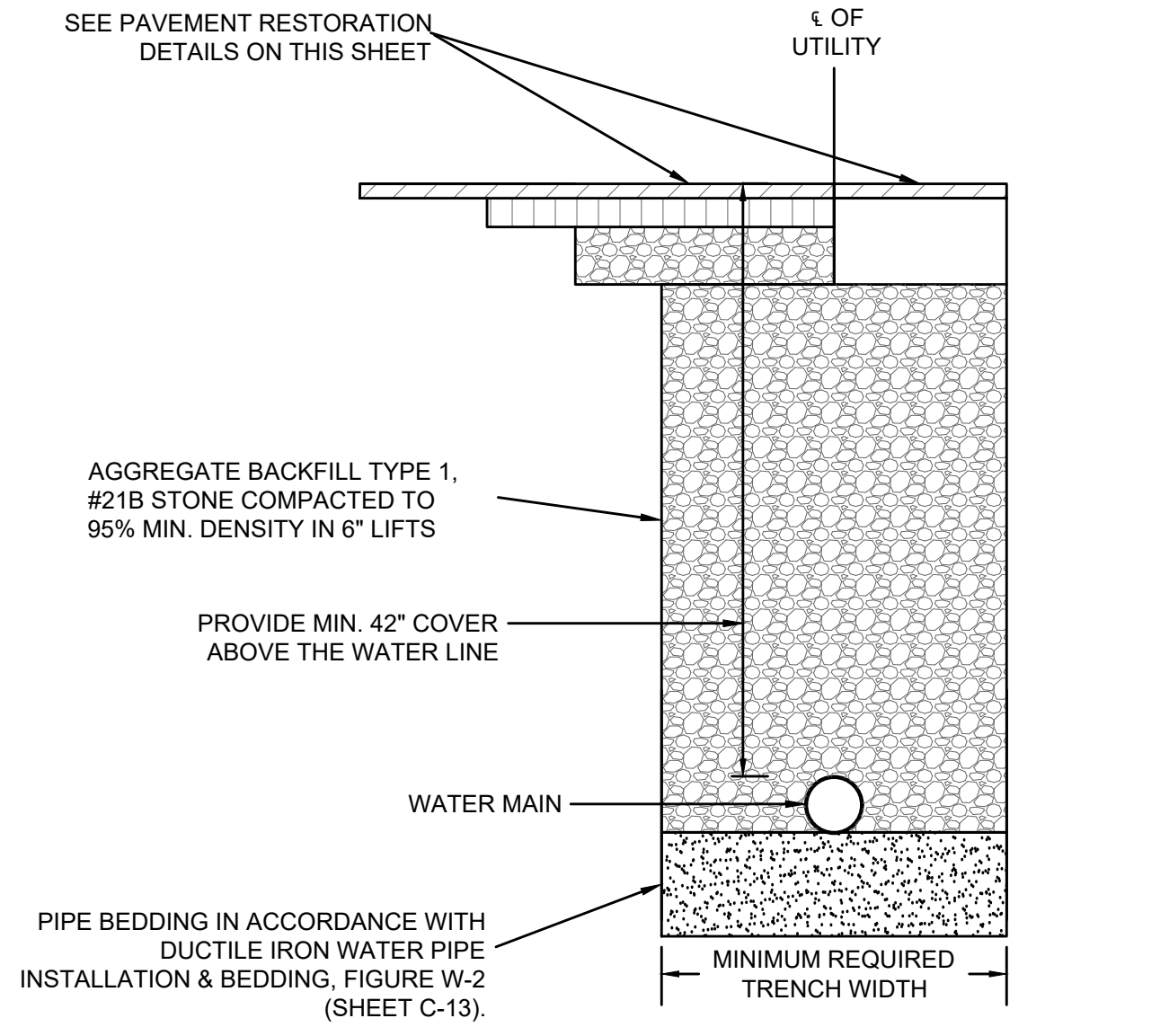
NO.	DATE	REVISION	INT.
1	03/06/2025	REISSUED FOR BID	MLH

DESIGNER / PROFESSIONAL ENGINEER RESPONSIBLE
MLH
DESIGNED BY
DSS
CHECKED BY
RJD
DRAWN BY
IH
FILE NO.
1087705.1940100728
DATE
MARCH 2025

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY
RAMBOLL

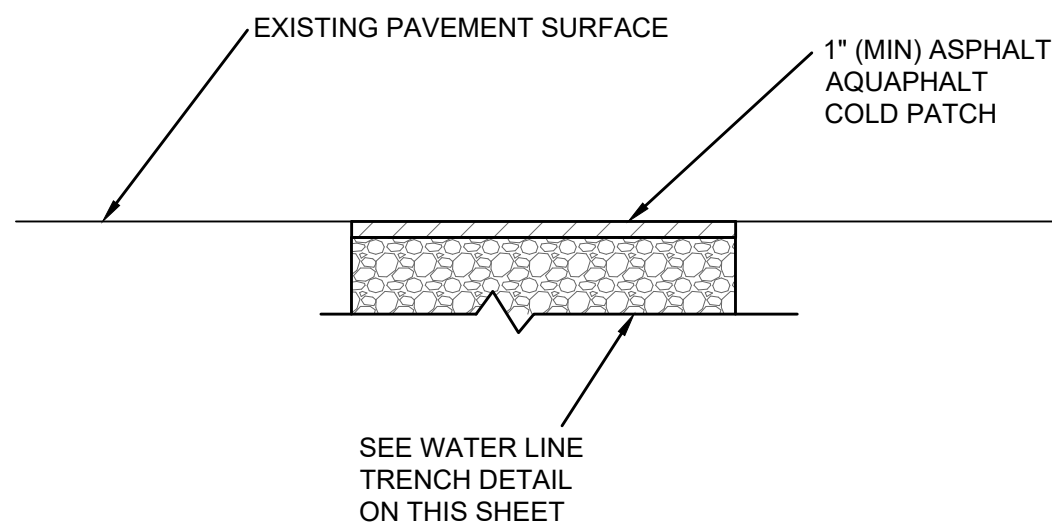
PROJECT
BRIARWOOD WATER MAIN REPLACEMENT
ADDRESS
BRIARWOOD SUBDIVISION - ALBEMARLE COUNTY, VIRGINIA

SHEET DESCRIPTION
PAVEMENT PLAN 2
DRAWING LOCATION
CHARLOTTESVILLE VIRGINIA



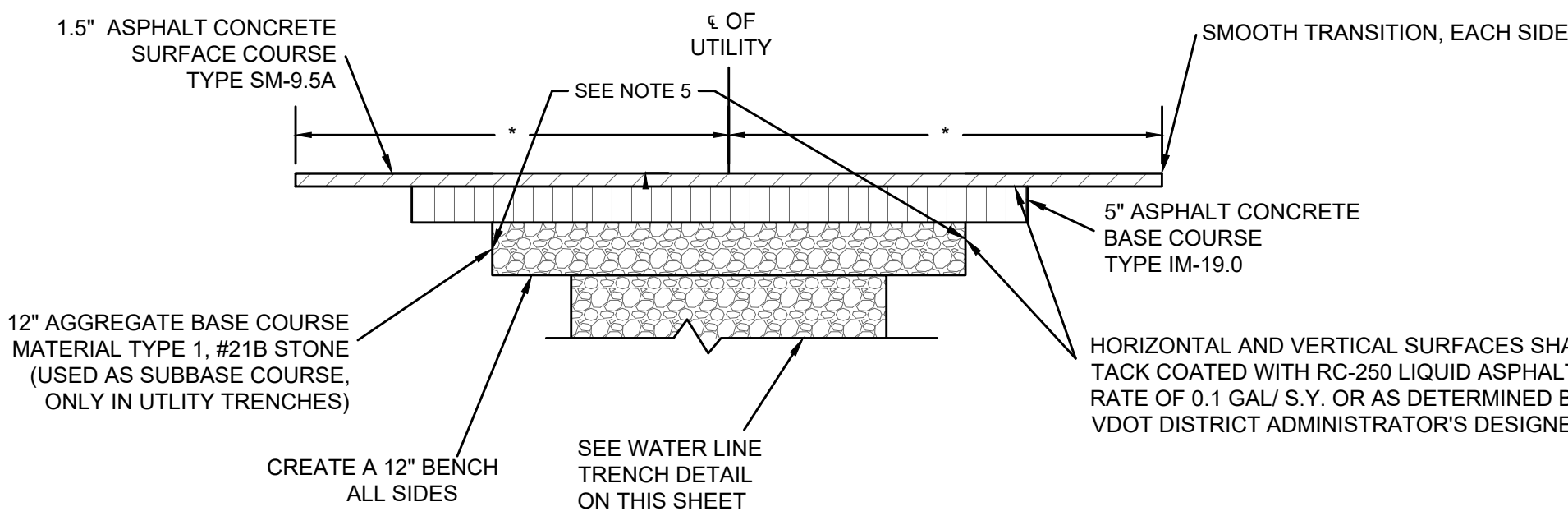
WATER LINE TRENCH DETAIL

NOT TO SCALE



TEMPORARY PAVEMENT RESTORATION DETAIL

NOT TO SCALE



AUSTIN-BRIARWOOD DRIVE PAVEMENT RESTORATION DETAIL

NOT TO SCALE

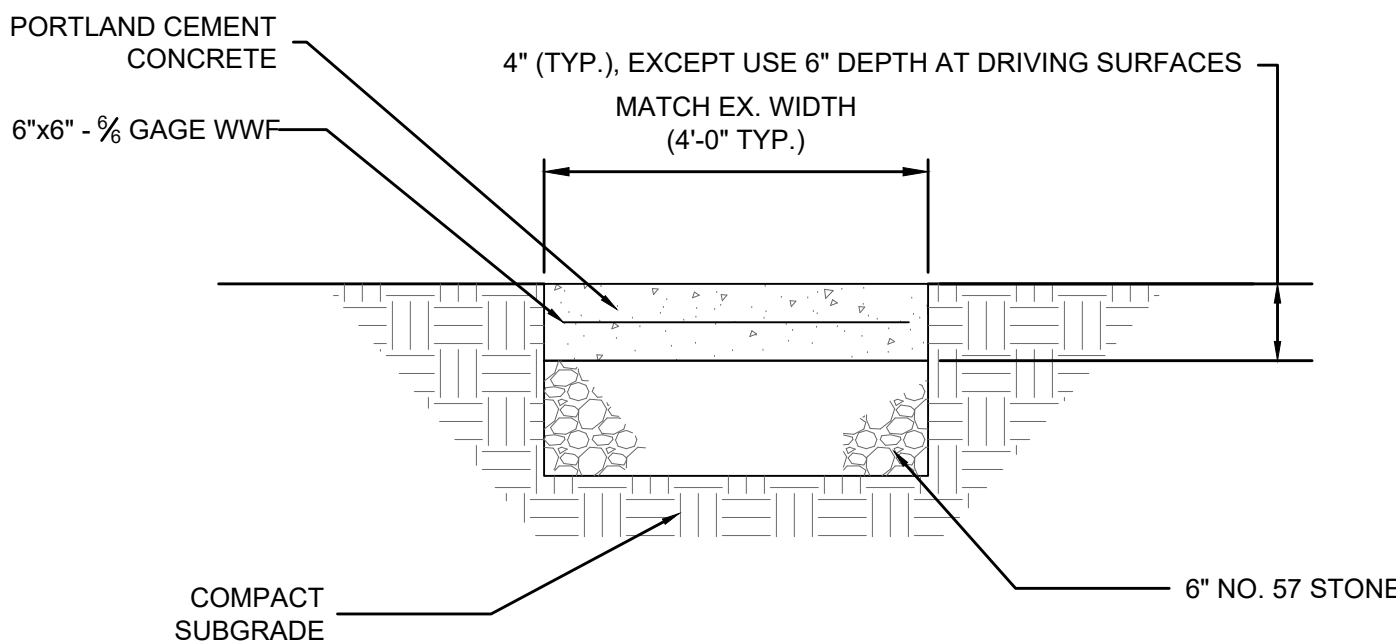
VDOT NOTES:

ALL PAVEMENT MARKINGS DAMAGED OR DESTROYED BY TRENCH EXCAVATION ACTIVITY SHALL BE REPLACED BY THE PERMITTEE IN ACCORDANCE WITH CURRENT VDOT STANDARDS & SPECIFICATIONS AND SHALL BE TYPE A PAINT. THIS DETAIL APPLIES TO HIGHWAYS WITH EXISTING ASPHALT PAVEMENT SECTIONS. THE EXTENT OF PAVEMENT RESTORATION FOR ALL OTHER PAVEMENT TYPES SHALL BE DETERMINED BY THE DISTRICT ADMINISTRATOR'S DESIGNEE.

* MINIMUM FULL PAVEMENT WIDTH RESTORATION FOR OPEN CUT TRENCHING LONGITUDINAL TO THE ROAD OR 25' (MINIMUM) FOR PERPENDICULAR CROSSING.

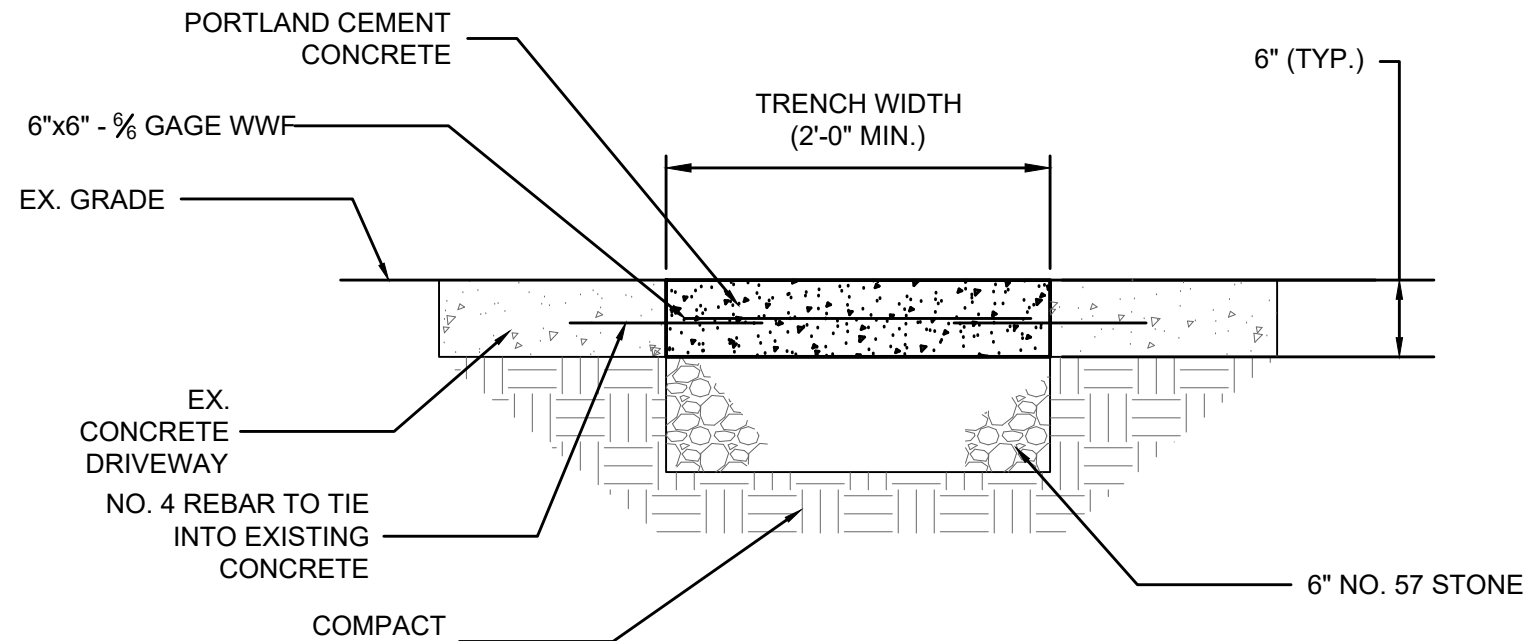
GENERAL NOTES:

- ROLLING AND COMPACTION EQUIPMENT SHALL BE SUITABLE TO OBTAIN 95% COMPACTION.
- AGGREGATE BASE COURSE: 12" OF VDOT 21B STONE COMPACTED TO AT LEAST 95% OF THE MAXIMUM DRY DENSITY.
- AGGREGATE BACKFILL: 95% COMPACTED BACKFILL MATERIAL (TYPE 1, #21B STONE).
- SAW CUT EXISTING PAVEMENT TO FULL DEPTH OF ASPHALT.



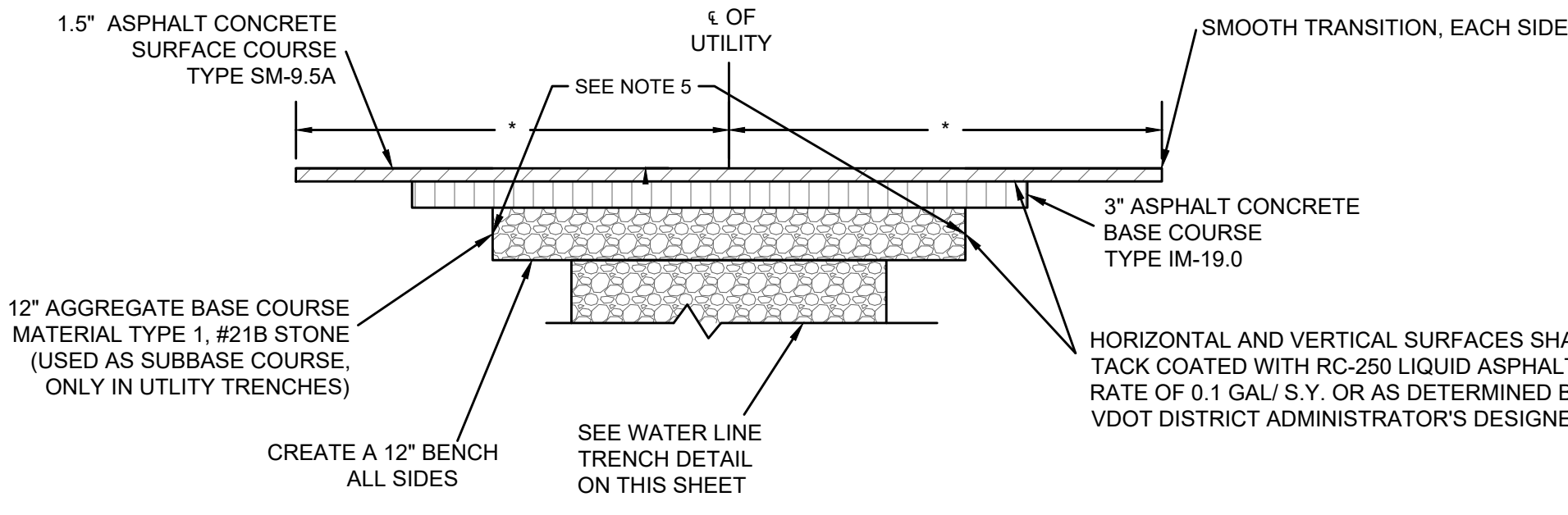
CONCRETE WALKWAY DETAIL

NOT TO SCALE



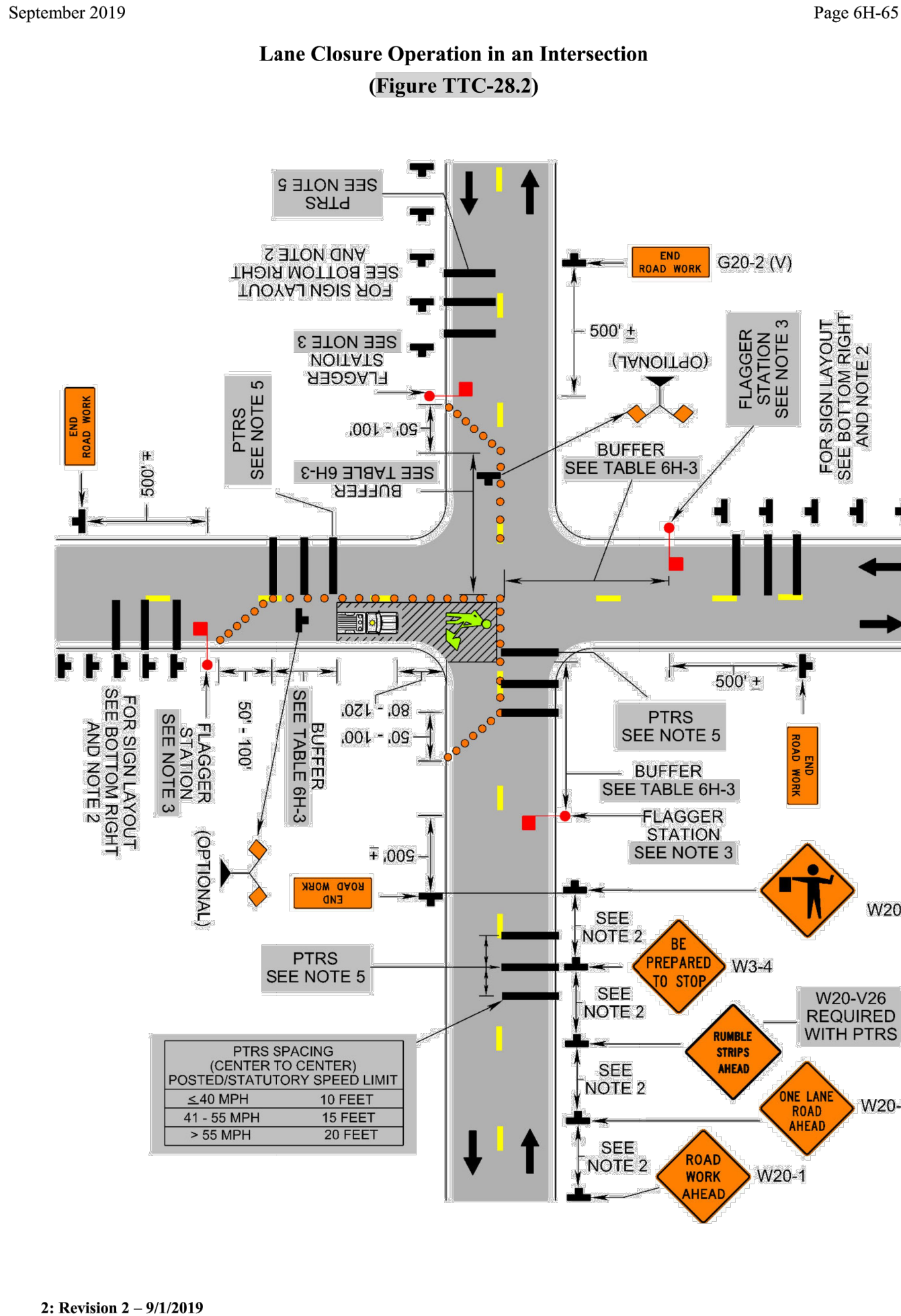
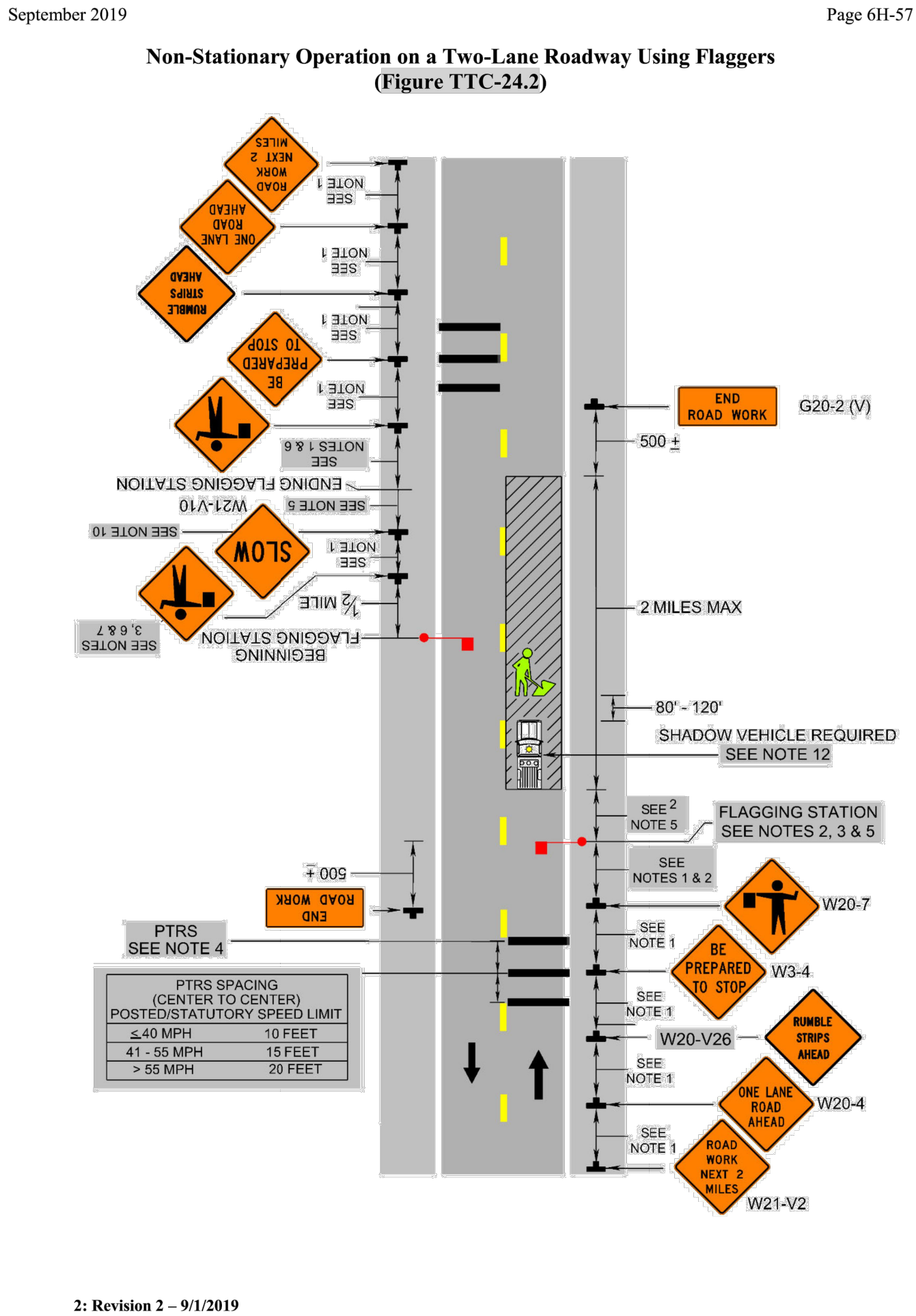
CONCRETE DRIVEWAY REPLACEMENT DETAIL

NOT TO SCALE

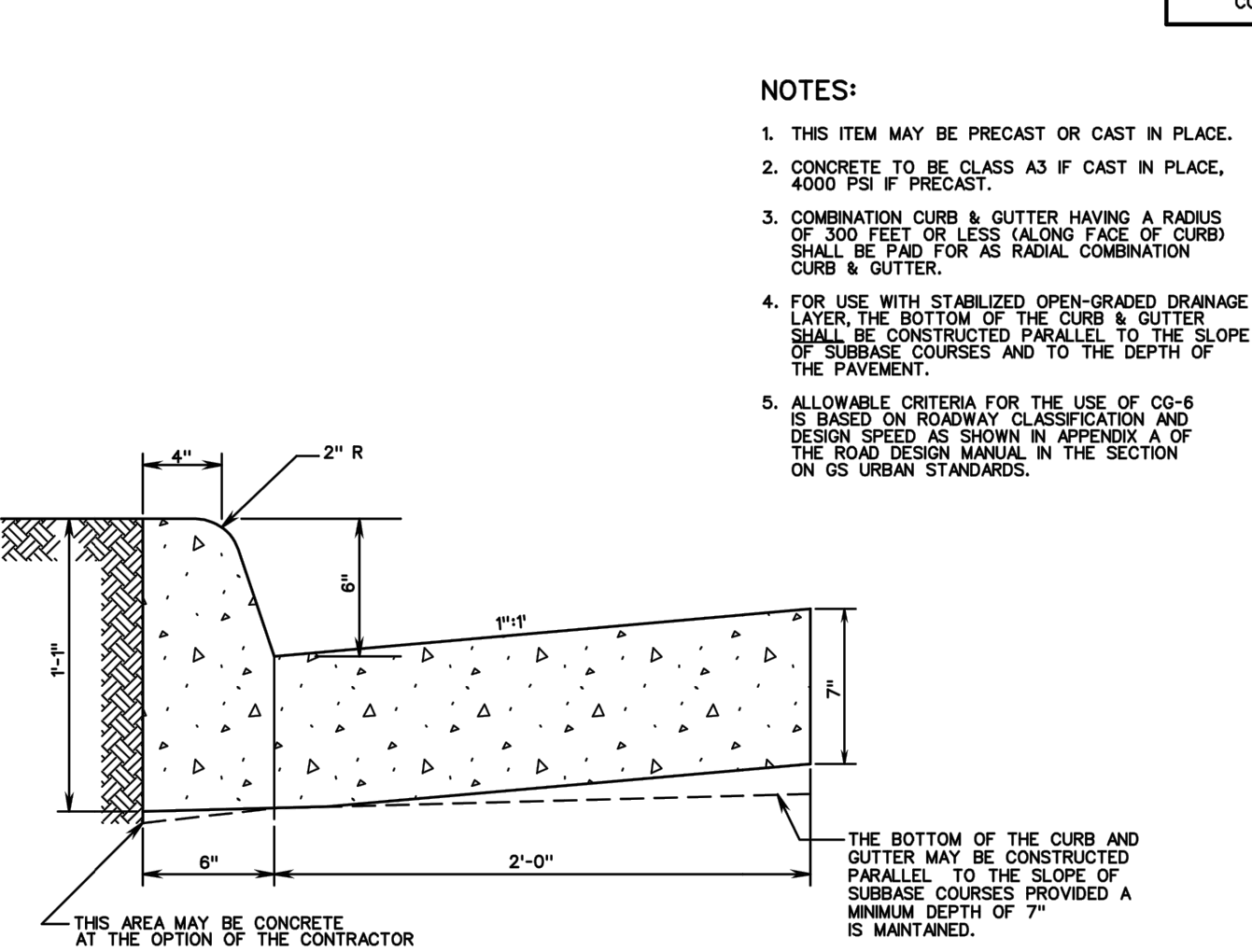


NEIGHBORHOOD STREETS PAVEMENT RESTORATION DETAIL

NOT TO SCALE



2016 ROAD & BRIDGE STANDARDS



SPECIFICATION REFERENCE	COMBINATION 6" CURB AND GUTTER	VDOT
105		ROAD AND BRIDGE STANDARDS
502		REVISION DATE
		SHEET 1 OF 1
		201.03



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ALBEMARLE COUNTY SERVICE AUTHORITY

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ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY
RAMBOLL

PROJECT
BRIARWOOD WATER MAIN REPLACEMENT
ADDRESS
BRIARWOOD SUBDIVISION - ALBEMARLE COUNTY, VIRGINIA

SHEET DESCRIPTION
PAVEMENT RESTORATION AND TRAFFIC CONTROL DETAILS
DRAWING LOCATION
CHARLOTTESVILLE VIRGINIA