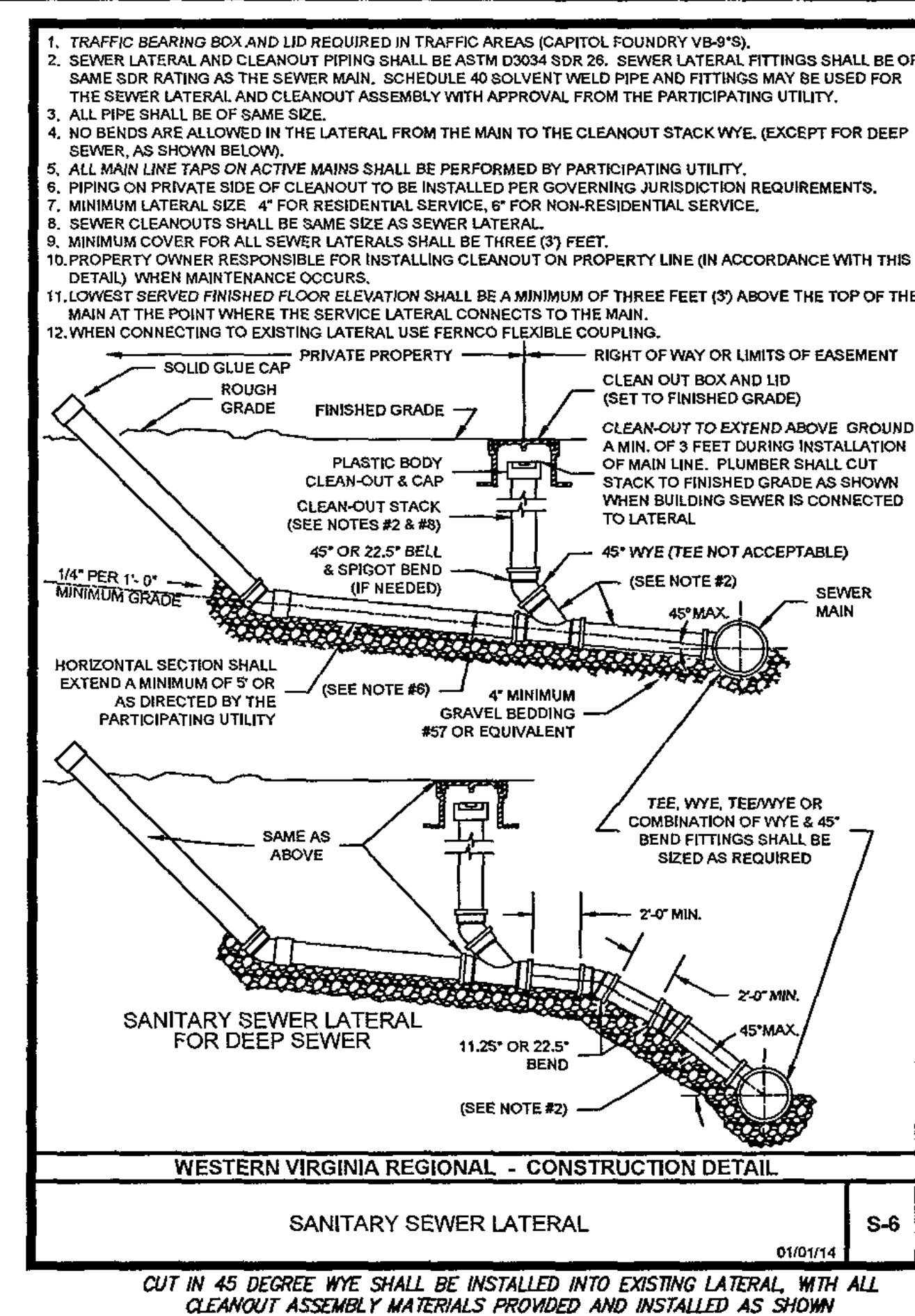
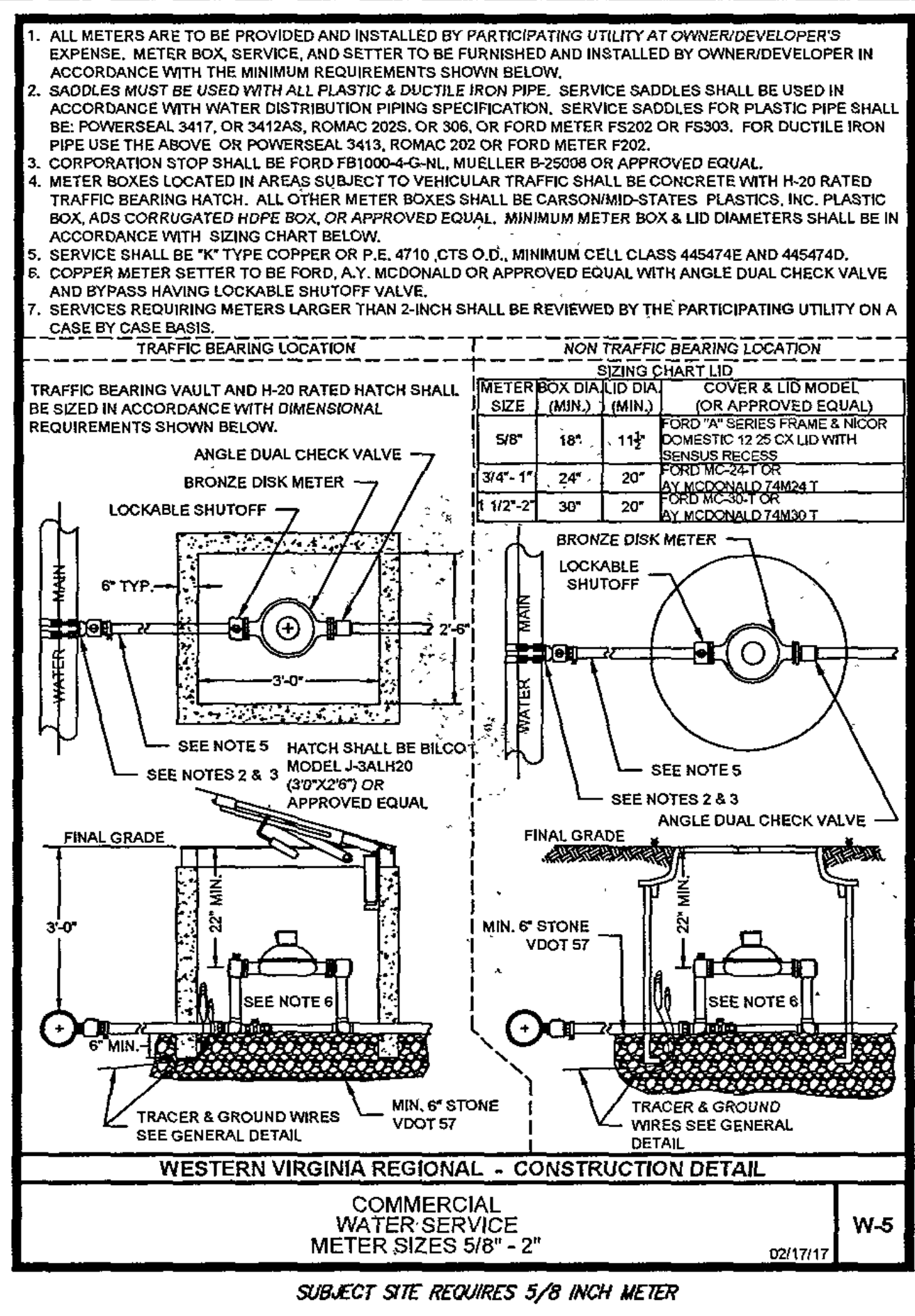


Material
 2" G.V. AFC, 4" CASING Polyflex HDPE, Service 2" polyflex Endot

Sever
 Installed Schedule 40 4" Cleanout on Existing 2" C.I. Lateral (Not Replaced)
 Road cast Iron Cover Labeled "S"

Handwritten notes on plan:
 2" setter with vertical Extra Valve see ATTACHED
 4" casing with 2" polyflex service line
 2781702
 2781701
 2781804



PROJECT DESCRIPTION
 THE PRIMARY PURPOSE OF THESE PLANS IS TO PROVIDE THE CONSTRUCTION REQUIREMENTS TO INSTALL A NEW WATER SERVICE LATERAL TO THE SUBJECT PROPERTY LOCATED IN THE WESTBOUND LANES OF MELROSE AVENUE, NW. DURING THE COURSE OF CONSTRUCTING A NEW WATER MAIN SEVERAL YEARS AGO, A NEW LATERAL WAS NOT INSTALLED TO SERVE THE SUBJECT SITE, AS THE SITE HAD BEEN IN AN ABANDONED STATE FOR MANY YEARS. NOW THAT THE SITE IS BEING REHABILITATED FOR OFFICE USE, THE WATER DEMANDS ARE KNOWN, AND A PROPERLY SIZED METER CAN NOW BE INSTALLED BY THE OWNER'S CONTRACTOR.

THE SECONDARY PURPOSE OF THESE PLANS IS TO PROVIDE DIRECTION TO INSTALL A NEW SANITARY CLEANOUT ON THE EXISTING SEWER LATERAL SERVING THE SITE, TO PROVIDE A POINT OF DEMARCATION BETWEEN PUBLIC AND PRIVATE MAINTENANCE RESPONSIBILITY.

ALL WORK REQUIRED BY THESE PLANS WILL REQUIRE THE CONTRACTOR TO OBTAIN A RIGHT OF WAY EXCAVATION PERMIT FROM THE CITY OF ROANOKE, TO BE ISSUED THROUGH THE PERMIT CENTER.

EXISTING CONDITIONS
 EXISTING CONDITIONS SHOWN HEREON ARE A COMPILATION OF INFORMATION OF RECORD TAKEN FROM THE WESTERN VIRGINIA WATER AUTHORITY (WVWA) AND CITY OF ROANOKE GIS SYSTEMS, AND VISUAL OBSERVATIONS. CALDWELL WHITE ASSOCIATES HAS PERFORMED NO FIELD SURVEYS TO VERIFY THIS INFORMATION. THE CONTRACTOR SHALL CONFIRM ALL EXISTING CONDITIONS THAT WILL AFFECT HIS WORK, PRIOR TO COMMENCING CONSTRUCTION.

THERE WERE NO UNDERGROUND LOCATOR TICKETS PERFORMED FOR THE LAYOUT OF THIS PLAN. THE CONTRACTOR SHALL INITIATE AN UNDERGROUND LOCATOR TICKET THROUGH MISS UTILITY (CALL 811), AND SHALL NOTIFY THE ENGINEER OF ANY EXISTING CONDITIONS THAT MAY AFFECT THE INSTALLATION OF NEW IMPROVEMENTS SHOWN HEREON, PRIOR TO COMMENCING THE WORK.

WESTERN VIRGINIA WATER AUTHORITY NOTES

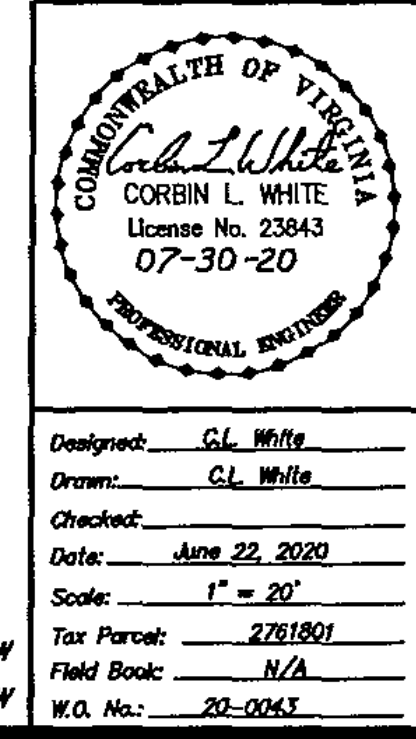
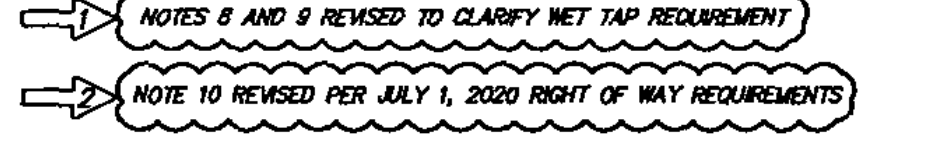
1. ALL CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO THE LATEST EDITION OF THE DESIGN AND CONSTRUCTION STANDARDS, AND SPECIFICATIONS OF THE WESTERN VIRGINIA WATER AUTHORITY (WVWA) AVAILABLE AT WWW.WESTERNVIRGINIAWATER.ORG, OR BY CONTRACTING THE AUTHORITY AT (540) 853-5700. THE PROJECT SHALL ALSO COMPLY WITH THE GOVERNING JURISDICTION'S STANDARDS AND OTHER AGENCY STANDARDS (E.G. VDOT, DEQ, DCR, VDM, ETC.), WHERE APPLICABLE.
2. THE CONTRACTOR OR DEVELOPER IS REQUIRED TO NOTIFY THE WESTERN VIRGINIA WATER AUTHORITY IN WRITING AT LEAST THREE (3) DAYS PRIOR TO ANY CONSTRUCTION. PLEASE CONTACT MARK SINK AT 537-3460.
3. ALL WORK SHALL BE SUBJECT TO INSPECTION BY THE WESTERN VIRGINIA WATER AUTHORITY.
4. FIELD CORRECTIONS SHALL BE APPROVED BY THE WESTERN VIRGINIA WATER AUTHORITY PRIOR TO SUCH CONSTRUCTION.
5. THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF 18" CLEARANCE VERTICALLY AND 2' MINIMUM HORIZONTALLY FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE AT ALL WATER, SANITARY SEWER CROSSINGS OF ANY OTHER UTILITIES. WHERE THIS CANNOT BE ACHIEVED ADDITIONAL MEASURES IN ACCORDANCE WITH WVWA STANDARDS SHALL BE ENFORCED. CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY UPON DISCOVERY OF SUCH CONDITIONS. ADDITIONAL DESIGN EFFORTS MAY BE REQUIRED.
6. ANY EXISTING APPURTENANCES SHOULD BE ADJUSTED TO GRADE AND NEW FRAME AND COVERS INSTALLED WHERE REQUIRED.
7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE ALL EXISTING UTILITIES LOCATED AND POHOLED TO VERIFY LOCATIONS. THIS PLAN REVIEW DOES NOT REMOVE THE CONTRACTOR'S RESPONSIBILITY TO RELOCATE ANY EXISTING CONFLICTS FOUND DURING CONSTRUCTION.

NEW CLEANOUT NOTE
 IT IS REQUIRED THAT A SANITARY SEWER CLEANOUT BE INSTALLED ON THE EXISTING LATERAL TO DEFINE THE LIMITS OF MAINTENANCE RESPONSIBILITY OF THE WVWA AND THE PROPERTY OWNER. THIS CLEANOUT SHALL BE PLACED ON THE STREET RIGHT OF WAY LINE AS SHOWN AND SHALL BE PROVIDED WITH A TRAFFIC-BEARING FRAME AND COVER. ALL MATERIALS SHALL BE SDR-35 PVC, WITH CLEANOUT SIZE MATCHING DIAMETER OF EXISTING LATERAL PIPE. CLEANOUT INSTALLATION SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE WVWA. IT IS INTENDED TO PLACE THE NEW CLEANOUT CLEAR OF THE WALKING SURFACE LIMITS OF THE EXISTING PUBLIC SIDEWALK.

AN EXCAVATION FOR THE NEW CLEANOUT WILL REQUIRE PARTIAL DEMOLITION OF THE EXISTING CONCRETE SIDEWALK. THE CONTRACTOR SHALL PERFORM THE FOLLOWING RELATIVE TO REMOVAL AND REPLACEMENT OF THE SIDEWALK SECTION:
 1. SAW-CUT EXISTING CONCRETE AT NEAREST EXISTING JOINT, EITHER SIDE, THAT WILL ALLOW SUFFICIENT ROOM FOR THE PROPOSED WORK.
 2. REMOVE PORTIONS OF EXISTING CONCRETE WALK AS REQUIRED. REMOVE ALL DEMOLISHED CONCRETE FROM THE SITE AND DISPOSE OF LEGALLY.
 3. PERFORM INSTALLATION OF NEW SANITARY CLEANOUT ASSEMBLY, BACK FILL AND COMPACT. COMPACTION SHALL BE TO 95% OF STANDARD PROCTOR (ASTM D698).
 4. PLACE 5 INCH THICK CONCRETE SIDEWALK, USING VDOT CLASS A3 CONCRETE. NEW SIDEWALK SHALL MATCH EXISTING IN COLOR (TO THE EXTENT POSSIBLE), TEXTURE, EDGE TOOLING, JOINTING, ETC.

NEW WATER LATERAL NOTES

1. THE LOCATION OF EXISTING WATER MAIN SHOWN HEREON IS BASED ON AVAILABLE RECORDS, SEE "EXISTING CONDITIONS" NOTES THIS SHEET FOR UTILITY LOCATION REQUIREMENTS.
2. ALTHOUGH THE NEW WATER METER IS ONLY A 5/8 INCH METER, IT IS PROPOSED TO INSTALL A 2 INCH LATERAL PIPE BETWEEN THE MAIN AND THE METER, TO PRECLUDE FUTURE LATERAL ENLARGEMENT SHOULD THE PROPERTY USE CHANGE. CONTRACTOR SHALL PROVIDE REDUCTION ADAPTERS AS REQUIRED TO TRANSITION FROM 2 INCH LATERAL TO 5/8 INCH METER SETTER.
3. IT IS REQUIRED THAT THE NEW WATER LATERAL BE INSTALLED BETWEEN THE EXISTING WATER MAIN AND THE LOCATION OF THE NEW METER BOX USING DIRECTIONAL BORE TECHNOLOGY, RATHER THAN OPEN-CUTTING THE EASTBOUND LANES OF MELROSE AVENUE.
4. SEE ATTACHED TRAFFIC PLAN RELATIVE TO LANE CLOSURE REQUIRED FOR INSTALLATION OF NEW LATERAL.
5. THE CONTRACTOR SHALL PERFORM AS SMALL AN EXCAVATION AS POSSIBLE AT THE LOCATION OF THE NEW INTERCONNECTION TO THE EXISTING 12-INCH WATER MAIN IN ORDER TO OBTAIN AS SMALL A PAVEMENT PATCH AS POSSIBLE.
6. SAW-CUT EXISTING PAVEMENT AT LOCATION OF EXCAVATION. THE SAW-CUT THROUGH BITUMINOUS MATERIAL SHALL BE ONE FOOT LARGER IN ALL DIRECTIONS THAN THE AREA OF BASE STONE REMOVAL, SUCH THAT REPLACEMENT BITUMINOUS MATERIAL WILL OVERLAP UNDISTURBED BASE STONE.
7. IF POSSIBLE, DEPENDING ON ACTUAL WATER MAIN LOCATION, DO NOT DISTURB CONCRETE CURB ALONG MEDIAN SIDE OF WEST-BOUND LANES. IF CURBING IS UNDAMAGED BY EXCAVATION OR OTHERWISE DAMAGED, THE AFFECTED CURB SHALL BE SAW-CUT AT THE NEAREST JOINT, AND AFFECTED PORTIONS REMOVED AND REPLACED WITH VDOT STD. CG-2 CURBING.
8. THE CONTRACTOR SHALL PERFORM ALL LABOR AND PROVIDE ALL MATERIALS REQUIRED FOR INSTALLATION OF NEW LATERAL FOLLOWING THE CONTRACTOR'S EXCAVATION, BORING OF NEW WATERLINE, AND PREPARATION OF THE NEW MET. TAP. THE WVWA WILL PERFORM THE ACTUAL MET. TAP, USING ALL CONTRACTOR SUPPLIED MATERIALS.
9. UPON COMPLETION OF THE NEW MET. TAP, BACKFILL AND COMPACT THE EXCAVATION TO SUBGRADE, IN ACCORDANCE WITH WVWA REQUIREMENTS.
10. PROVIDE PAVEMENT REPLACEMENT IN ACCORDANCE WITH SECTION 5 OF THE FIFTH EDITION OF THE "CITY OF ROANOKE RIGHT OF WAY EXCAVATION AND RESTORATION STANDARDS", LAST REVISION DATED JULY 1, 2020.
11. AT LOCATION OF NEW METER, THE CONTRACTOR SHALL INSTALL NEW METER BOX AND METER IN ACCORDANCE WITH WVWA REQUIREMENTS. ACTUAL METER BODY WILL BE PROVIDED BY THE WVWA UPON COMPLETION OF FEE PAYMENTS BY OWNER.
12. CONTRACTOR SHALL INTERCONNECT EXISTING WATERLINE FROM BUILDING TO NEW METER IN ACCORDANCE WITH APPLICABLE PLUMBING CODES.



UTILITY SERVICE LATERAL PLAN
 FOR
REAL ESTATE BUY IT NOW LLC
 SHOWING A NEW DOMESTIC WATER SERVICE LATERAL AND NEW SANITARY SEWER SERVICE CLEANOUT TO BE INSTALLED TO SERVE THE REMODELED FUEL SALES AND CONVENIENCE STORE

SITUATE 4040 MELROSE AVENUE, NW
 CITY OF ROANOKE, VIRGINIA

CWA
CALDWELL WHITE ASSOCIATES
 ENGINEERS / SURVEYORS / PLANNERS

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 P.O. BOX 8560
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 (840) 568-3400
 FAX: (840) 568-8708

Revised July 30, 2020 Per 1st City Review - CLW
 Revised July 29, 2020 Per 1st City Review - CLW

contractor: S.J. Connor
 inspector: Brian Whitenack
 Ashwill 11/5/2020