

WOOD CREEK WATER DISTRICT

KY 490/US 25N WATERLINE REPLACEMENT

LAUREL COUNTY, KENTUCKY



BOARD OF DIRECTORS

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RECORD DRAWINGS
OCTOBER 2021

The Record Drawing Set has been prepared based on information provided to the Contractor. Preparation, design, and details. This set has been designed to indicate significant changes made to the original design. Not during the construction process. KENVIRONS, INC. has not verified the accuracy or completeness of this information and will not be responsible for any errors or omissions which may be incorporated based on a record.

JULY 2020

Prepared By:



GENERAL NOTES

- 1 Station shown on the water line are for reference only and do not reflect the actual linear lengths of pipe required for construction.
2 The Contractor shall be responsible for coordinating all construction work with local utility companies and other concerned parties.
3 Existing buried utilities are shown on the drawings in their general location utilizing available information. Before construction begins near or through existing utilities (i.e. Gas Co., Telephone Co., etc.) each utility company shall be notified, a request for the exact location of the utility must be made, and permission to proceed with construction. The Contractor must contact: BUO at telephone no. 1-800-752-5307 or 311.
4 Before construction begins through any property, the Contractor shall make himself aware of the exact location of construction through the property and the bounds of the permanent and temporary construction easements.
5 The Contractor shall have on hand at the job site 11 1/4", 22 1/2", 42" and 90" bends for use where necessary for proper installation.
6 Pipe joint deflection shall not exceed 2". Bending of PVC pipe will not be allowed.
7 At some locations, the Contractor may be required to provide extra cover over line. Cost of extra cover is to be included in unit price but for line installation and no separate payment will be made for such extra cover. All such locations are shown on the plans.
8 Covering new lines to existing lines or to work in other contracts is subsidiary to the contract unless specifically itemized in the Bid Schedule. It includes fittings, sleeves, etc., but does not include pipe valves, which are on extra pay item.
9 All fittings, thrust restraint and appurtenances to construct the pipelines as shown must be included in the unit cost for the pipe and/or not separate pay items.
10 The pipe lengths have been estimated as close as possible. The Contractor shall be responsible for ordering pipe quantities necessary for installation to the limits as shown on the Drawings unless otherwise instructed. Any left-over pipe quantities shall be the property of the Contractor unless other arrangements are made. The Owner shall not be responsible for re-stocking or other charges associated with the left over pipe.
11 Ductile iron pipe shall be installed in accordance with Standard AWWA C150/ANSI A21.50 Laying Condition Type J unless otherwise noted.
12 All open cut streets and roads and trenches cut in existing pavements shall be surfaced with compacted crushed stone or DGA in accordance with the miscellaneous details drawings.
13 Road sidewalks shall be re-graded. Free bore unit prices are contained in Bid Schedule. The material in which the free bore is made is undisturbed.
14 It is the responsibility of the Contractor to comply with all regulations regarding the effect on the environment from the discharge of untreated water. See Technical Specification 15103 for methods of stabilization and for disposal of heavily polluted water.
15 The time period for pressure testing in this project shall be 6 hours.
16 Detectable marking tape and tracer wire shall be installed with all pipe. See Technical Specification 15100, and the miscellaneous details drawings. Tracer wire shall be installed a minimum of six inches directly above the pipe. Under no circumstances shall the tracer wire come in contact with the pipe.
17 During the process of tapping asbestos cement mains, the contractor shall conform to OSHA regulations governing the handling of hazardous waste. Pieces of asbestos cement resulting from the tap shall be double bagged, placed in a rigid container and disposed of in an approved landfill.
18 Locations where pipe is to be installed on state road right of way are approximately delineated on the drawings. The Contractor, along with the Engineer's Representative, shall determine the field locations for transitions between private easements, and state and county road rights of way.
19 The pipeline trench width shall be strictly enforced. See Technical Specification 15100 for trench width requirements.
20 Rough cleanup must be performed as the pipe is laid or as soon thereafter as possible. Failure to keep rough cleanup current with the pipe layout may be grounds for additional retention.
21 Do not cut fences except where specifically shown and noted.
22 The Contractor shall obtain and pay for all grading, storm water, etc. permits, if any required to complete the work. The contractor shall maintain compliance with all conditions, limitations and stipulations of all permits. The contractor shall not commence work, except modification, until he has obtained all required permits for said work. The contractor shall notify the owner within 48 hours of permit receipt. A PDES Storm Water Discharge Permit will be required for this project. The contractor shall fill out, sign and submit the Notice of Intent (NOI) and the Notice of Termination (NOT).
23 All work shall be performed in compliance with applicable local, state and national building codes.
24 All work shall be executed in compliance with the current workplace safety regulations of the U.S. Department of Labor, Occupational Safety and Health Administration (OSHA).
25 The Contractor shall restrict all construction activities to within the limits of the public right of way and the private easements or lot lines unless otherwise approved by the Owner in writing. The Contractor shall be solely liable for any and all work he performs outside of the boundaries of the public right of way and the private easements and the parcels provided by the Owner.
26 The Contractor is solely responsible for determination of the existence and location of any and all other buried utilities in the vicinity of his work. Utilities shown on the Project Drawings are purported to be approximately only and not warranted to be complete nor accurately located. Additional buried utility lines, other than those shown on the Project Drawings, may exist in the vicinity of the Project work. The Contractor shall contact local utilities and/or locators services at least 48 hours prior to commencing work on the Project.
27 The Contractor shall be responsible for all traffic control measures necessary for the safe execution of his work, including but not limited to flaggers, traffic signage, barricades, construction fencing and nighttime warning lights. Traffic safety provisions shall be employed by the Contractor in accordance with the Standards of the appropriate State and local public highway authorities.
28 All excavation and all boring shall be considered unclassified excavation and unclassified boring. No additional payment shall be due and payable to the Contractor for dewatering of pipe trenches/excavations or for excavation and removal of rock or for boring casing through rock.
29 All water main fittings shall be ductile iron, mechanical joint compact fittings for water service complying with AWWA Standard C153. Unless otherwise specifically shown or noted no PVC fitting, other than in-line repair couplings, will be accepted.
30 All water main fittings shall be anchored with powder concrete thrust blocks as shown in the miscellaneous details. When fittings in minimum 3-mil plastic wrap prior to forming and pouring the block.

GENERAL NOTES (CONT.)

- 31 Prior to cutting existing driveways, the Contractor shall notify the property owner/occupant at least 24 hours in advance and shall schedule his work such to restrict access to not more than 2 hours in one (1) day.
32 The Contractor shall repair/replace any and all existing utility lines and equipment damaged by the Contractor's work to the satisfaction of the damaged utility and at no additional cost to the Owner.
33 The Contractor shall protect all drainage culverts in the vicinity of his work and shall repair or replace all culverts damaged by his work and at no additional cost to the Owner. All existing culverts may not be shown/noted on the Project Drawings.
34 Existing utility lines may be temporarily protected. The installation of all ductile iron pipe, fittings and appurtenances within 100' of cathodically protected utility lines shall comply with AWWA Standard C105 (Polyethylene Encasement), latest revision, and at no additional cost to the Owner. This requirement will be specifically applicable to all new iron pipe located within 100' of the cathodically protected new primary booster station.
35 There are sanitary sewers known to exist in the vicinity of the proposed new water main and known locations are shown on the plans. The Contractor shall maintain a minimum of 10 feet horizontally from any sanitary sewer pipe, unless otherwise shown or other sanitary facility is encountered. If an Engineer shall direct the relocation of the water main to provide separation and/or other protection of the water main in accordance with terms of the Kentucky Department for Environmental Protection, Division of Water Construction Permit. The Contractor shall provide relocation of the water main as directed by the Engineer and the Contract Price adjusted only by the number of Bid Item units actually provided.
36 No water service shall be activated until the new work has been completely started, and tested in accordance with the Contract Documents and accepted in writing by the Owner.

PROJECT SPECIFIC NOTES

- 1 All fire hydrants located on existing pipelines to be abandoned shall be removed by the Contractor and delivered to the Owner at a predetermined location.

ENVIRONMENTAL NOTES

- 1 When crossing of streams and ditches, silt barriers, or straw bales or all fences shall be put in place to prevent sediment runoff into stream. Conventional stream crossings shall be accomplished during low flow periods. Stream banks shall be reseeded with native vegetation beneficial to wildlife. Temporary barriers' completion of the stream crossing. Disturbed surfaces shall be restored to original contours and excess materials removed to a properly confined area.
2 Contractor shall not disturb any trees with a diameter at breast height greater than three (3) inches.
3 Any excavation by the Contractor that uncovers a historical or archeological artifact shall be immediately reported to the Owner and Engineer. Construction shall be temporarily halted pending the notification process and further direction after consultation with the State Historic Preservation Officer (SHPO).

HIGHWAY DEPARTMENT NOTES

- 1 Underground utilities installed under state right of way shall be located within 3'-5' feet from the edge of the right of way unless otherwise shown on the plans.
2 Underground utilities on state right of way shall be installed at a minimum depth of 42" under roadways, ramps, and ditch lines and 30" in all other areas within state right of way.
3 Underground utilities crossing dry paved driveway inside state right of way shall be installed by boring unless written permission to open cut is obtained from the property owner.
4 Underground utilities shall not be installed in easement files or between edge of pavement and ditches unless specifically noted on permitted plans.
5 Fire Hydrants or utility service boxes should be located within 2 feet from the edge of right of way line, or off right of way.
6 Contact KTC-DOT District Office prior to beginning work.
7 All utilities KTC ditches shall remain free of excess soil or erosion and constructed to the normal typical section of the roadway with a minimum depth of 18 inches from the shoulder break point.
8 As necessary steps shall be taken to prevent erosion or siltation of the public right of way, adjoining property and waterways.
9 All traffic control for construction and maintenance operations will conform to the Manual on Uniform Traffic Control Devices for construction and maintenance operations. All work shall be done with full regard to safety to keep traffic clearances to an absolute minimum. Closure of intersecting streets, road approaches or other access points is to be held to a minimum.
10 All areas disturbed by utility installation should be kept to a minimum and restoration methods should be in accordance with Kentucky Transportation Cabinet's 2012 Standard Specifications for Road and Bridge Construction.

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LAUREL COUNTY, KENTUCKY

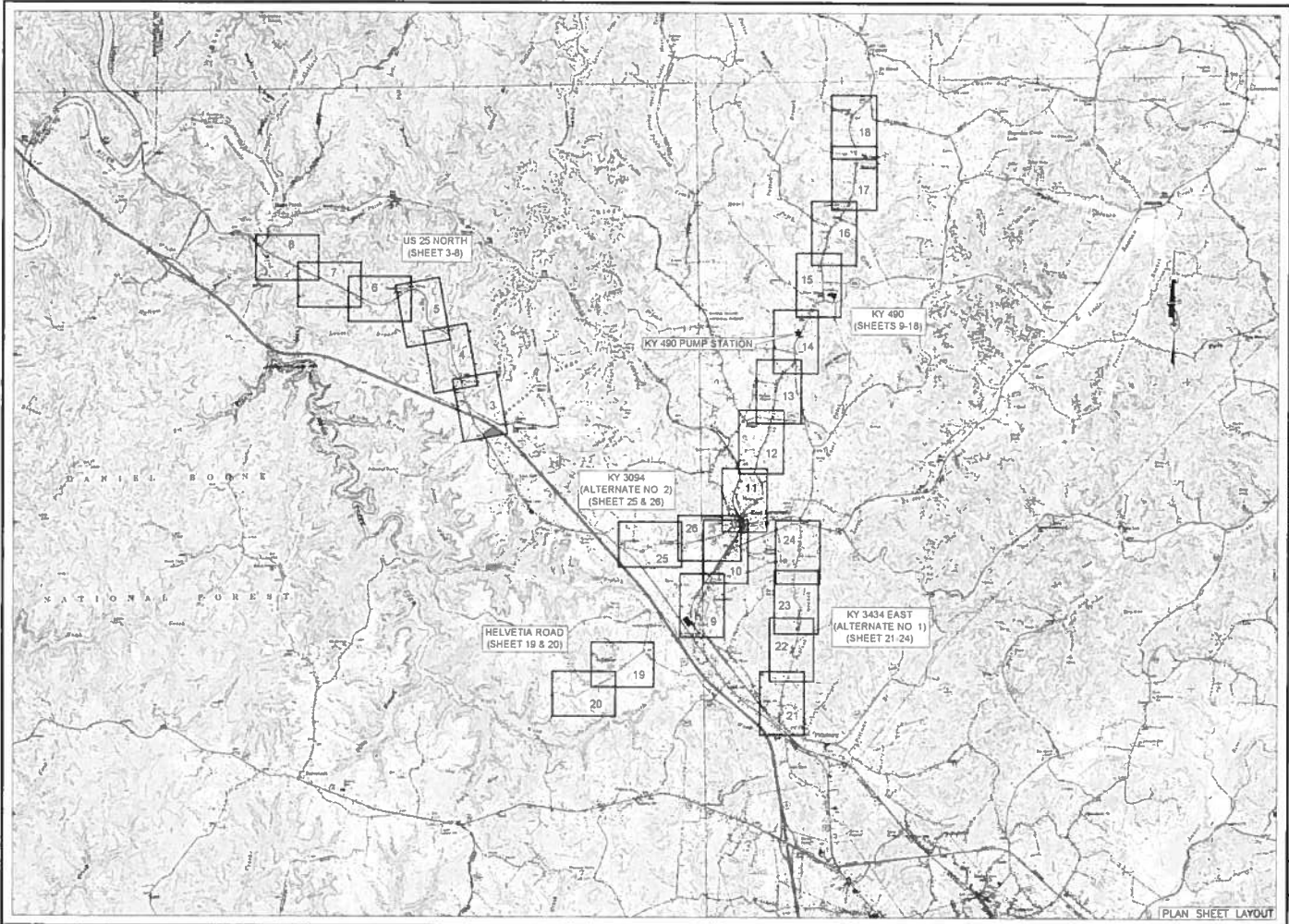


KEN VIRON
Civil & Environmental Engineers

PROJECT NO
2017036
SHEET NO
1



GENERAL NOTES



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KY 490 / US 25 N. WATERLINE REPLACEMENT
LAUREL COUNTY, KENTUCKY



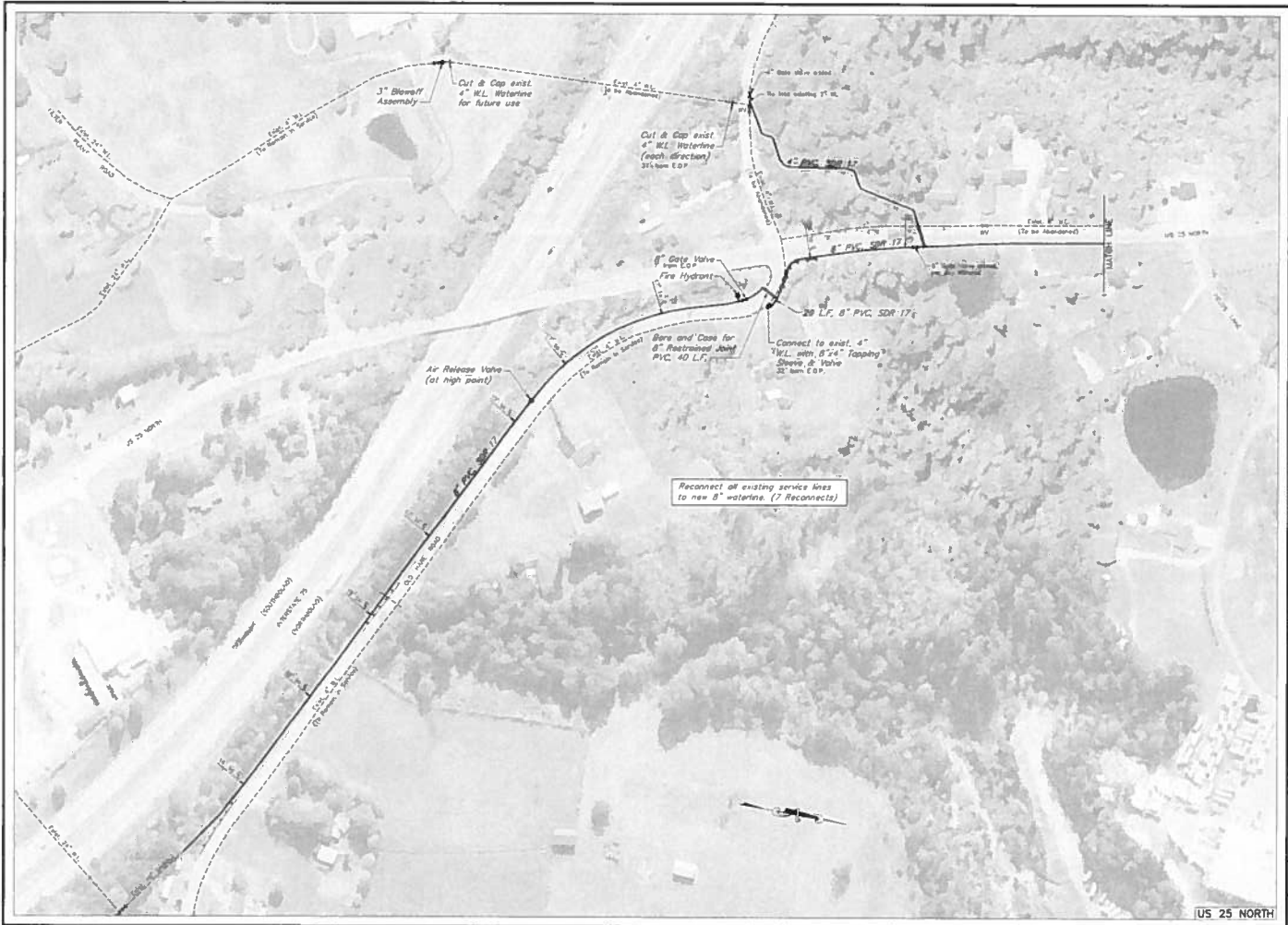
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SHEET NO
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WOOD CREEK WATER DISTRICT
 KY 490 / US 25 N. WATERLINE REPLACEMENT
 LAUREL COUNTY, KENTUCKY

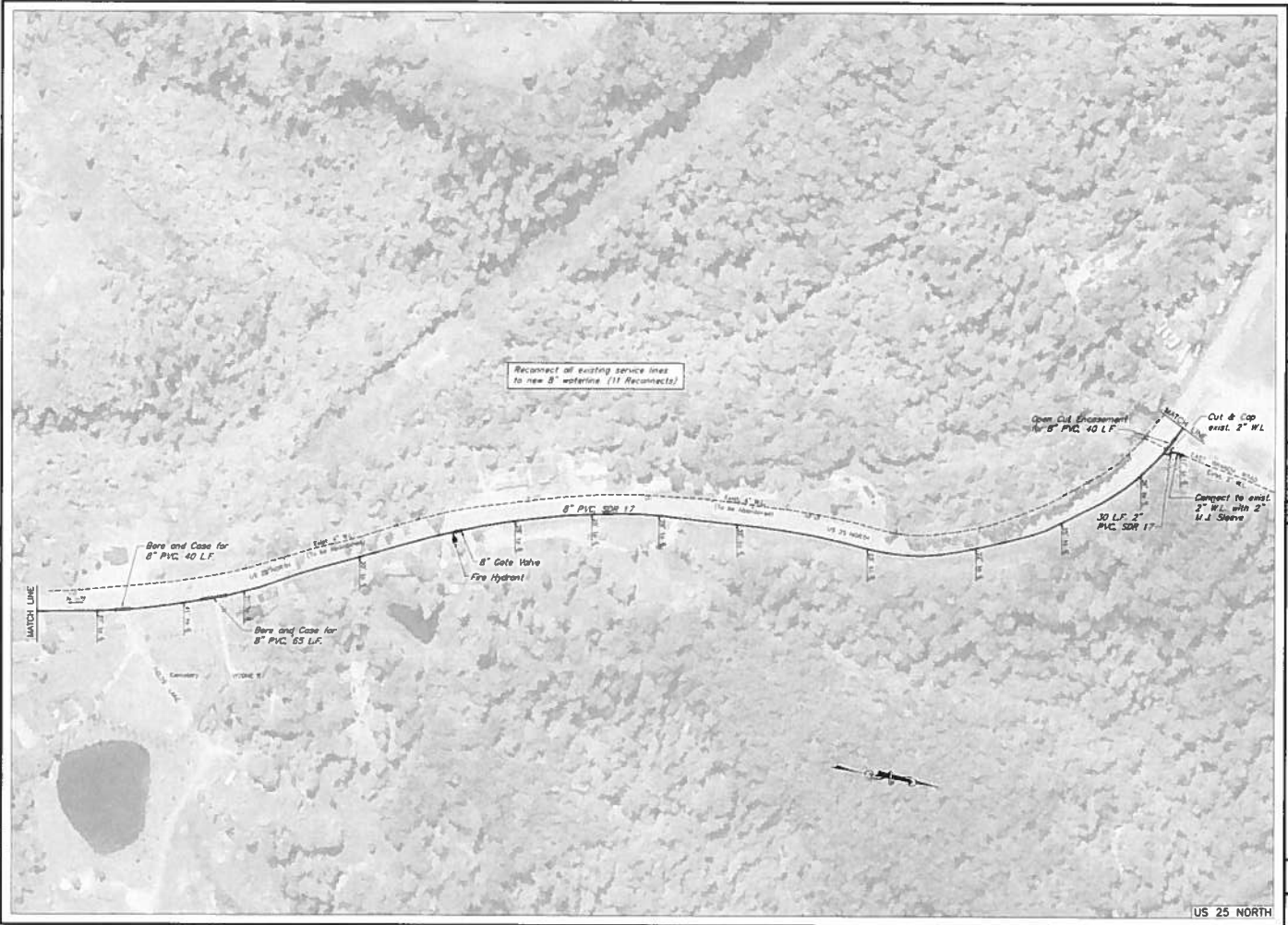
DATE	DESCRIPTION

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 SHEET NO
 3

US 25 NORTH



WOOD CREEK WATER DISTRICT
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 LAUREL COUNTY, KENTUCKY



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PROJECT No.
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 SHEET No.
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US 25 NORTH

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WOOD CREEK WATER DISTRICT
KY 490 / US 25 N. WATERLINE REPLACEMENT
 LAUREL COUNTY, KENTUCKY



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2017036

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US 25 NORTH

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WOOD CREEK WATER DISTRICT



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KY 490 - US 25 N. WATERLINE REPLACEMENT
 LAUREL COUNTY, KENTUCKY



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SHEET NO
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US 25 NORTH



WOOD CREEK WATER DISTRICT
KY 490 / US 25 N. WATERLINE REPLACEMENT
LAUREL COUNTY, KENTUCKY

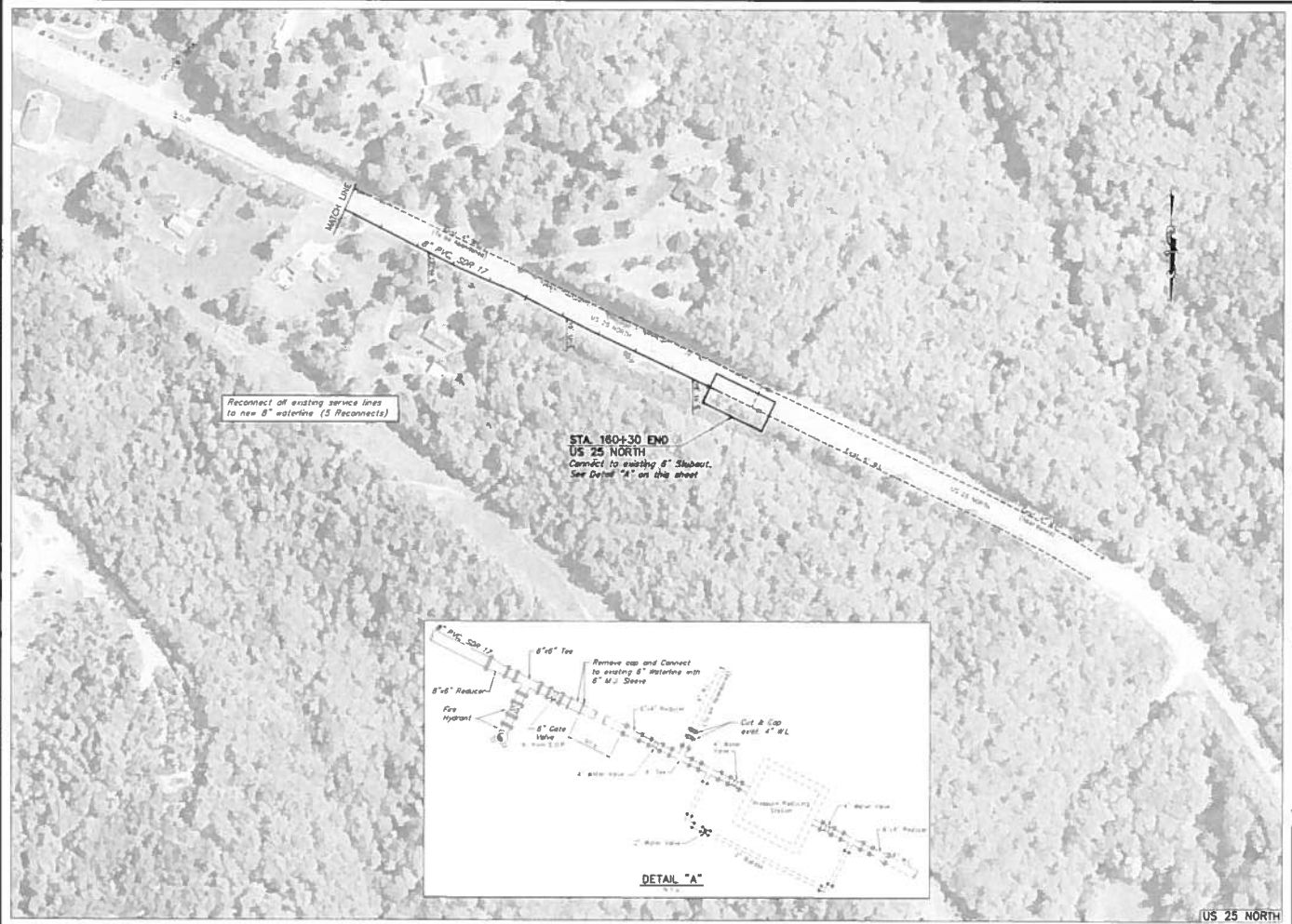
DATE	DESCRIPTION

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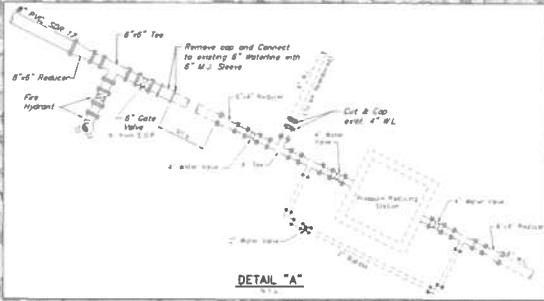
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7

US 25 NORTH



Reconnect of existing service lines to new 8" waterline (5 Reconnects)

STA. 160+30 END
US 25 NORTH
Connect to existing 8" Stubout.
See Detail "A" on this sheet



DETAIL "A"

US 25 NORTH

WOOD CREEK WATER DISTRICT
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LAUREL COUNTY, KENTUCKY



DATE	NO.	DESCRIPTION

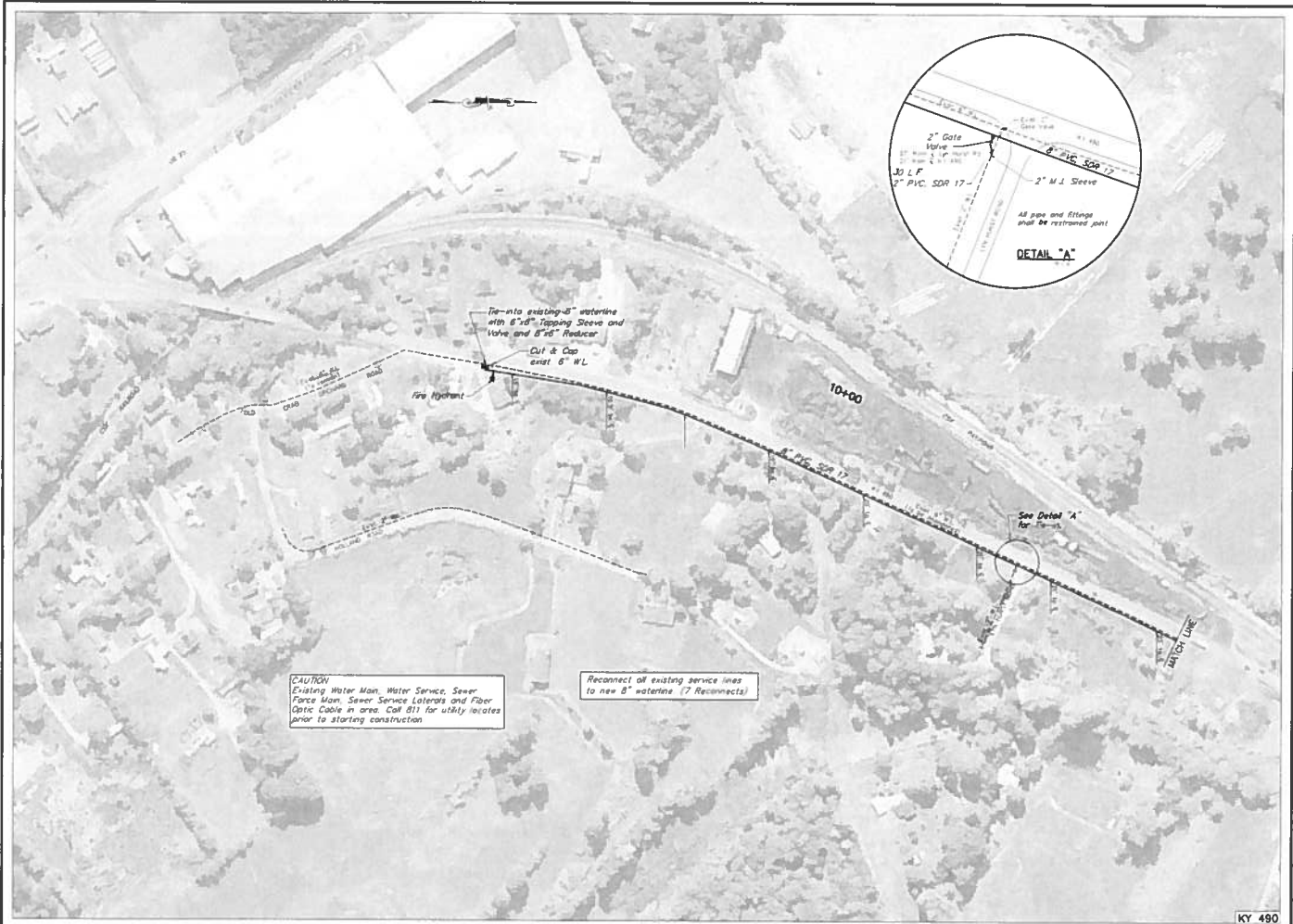
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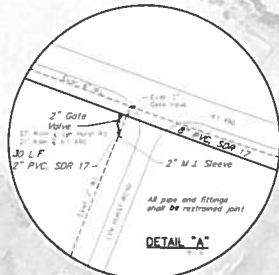
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CAUTION
 Existing Water Main, Water Service, Sewer
 Force Main, Sewer Service Laterals and Fiber
 Optic Cable in area. Call 811 for utility locates
 prior to starting construction

Reconnect all existing service lines
 to new 8" waterline (7 Reconnects)



WOOD CREEK WATER DISTRICT
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 LAUREL COUNTY, KENTUCKY



PROJECT NO.	2017036
DATE	08/14/2017
SCALE	AS SHOWN
DRAWN BY	WJW
CHECKED BY	WJW
DATE	08/14/2017

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KY 490