ITB #201807

S. KENT STREET AND WOODSTOCK LANE INFRASTRUCTURE IMPROVEMENTS

WINCHESTER, VIRGINIA

LEGEND

EXISTING		PROPOSED
	SANITARY SEWER MANHOLE	
	SANITARY SEWER MAIN	
	SANITARY SEWER LATERAL	
	SANITARY CLEAN OUT	
	WATER METER	
	WATER MAIN	
	WATER SERVICE LINE	
	FIRE HYDRANT	
	GATE VALVE	
	STORM SEWER MAIN	
	STORM SEWER MANHOLE	
	CURB DROP INLET	
	CONCRETE SIDEWALK	
	BRICK SIDEWALK	
	HANDICAP RAMP	
	HANDRAIL	
	TREE	
	TREE REPLACEMENT	
	TREE REMOVAL	

LIST OF SHEETS:

SHEET 1: COVER SHEET
SHEET 2: KENT STREET INDEX SHEET
SHEET 3: DETAILS SHEET
SHEET 4: DETAILS SHEET
SHEET 5: PLAN SHEET: MILLWOOD AVE-E. GERRARD ST
SHEET 6: PLAN SHEET: E. GERRARD ST- E. PALL MALL ST
SHEET 7: PLAN SHEET: E. PALL MALL ST-E. GERMAIN ST
SHEET 8: PLAN SHEET: E. GERMAIN ST- E. MONMOUTH ST
SHEET 9: PLAN SHEET: E. MONMOUTH ST- E. LEICESTER ST
SHEET 10: PLAN SHEET: E. LEICESTER ST- E. CECIL ST
SHEET 11: PLAN SHEET: E. CECIL ST- E. CLIFFORD ST
SHEET 12: PLAN SHEET: E. CLIFFORD ST-E. CORK ST
SHEET 13: WOODSTOCK LANE INDEX SHEET
SHEET 14: PLAN SHEET: N. PLEASANT VALLEY RD-KIMBERLY WAY
SHEET 15: PLAN SHEET: KIMBERLY WAY- BOYD AVE
SHEET 16: PLAN SHEET: BOYD AVE- CHESTNUT ST
SHEET 17: PLAN SHEET: CHESTNUT ST- MAPLE ST
SHEET 18: PLAN SHEET: MOLDEN DR
SHEET 19: PLAN SHEET: PINE ST
SHEET 20: PLAN SHEET CHRISTOPHER DR
SHEET 21: PLAN SHEET: S. KENT STREET BYPASS PLAN
SHEET 22: PLAN SHEET: WOODSTOCK LANE BYPASS PLAN

CITY OF WINCHESTER, VIRGINIA

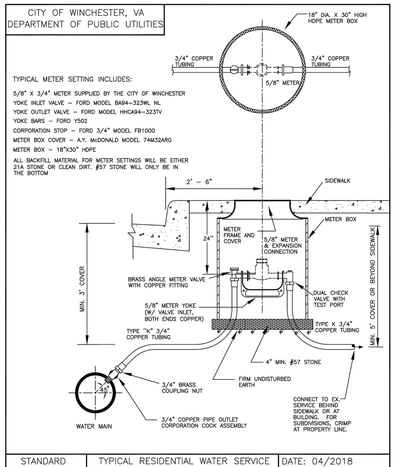
PUBLIC SERVICES DEPARTMENT
15 N. CAMERON STREET
WINCHESTER, VA 22601
PH: (540) 667-1815
FAX: (540) 662-3351

CITY OF WINCHESTER, VA
DEPARTMENT OF PUBLIC UTILITIES

TYPICAL METER SETTING INCLUDES:

5/8" X 3/4" METER SUPPLIED BY THE CITY OF WINCHESTER
YOKE INLET VALVE – FORD MODEL BA84–323WL NL
YOKE OUTLET VALVE – FORD MODEL HHCA84–323TV
YOKE BARS – FORD Y502
CORPORATION STOP – FORD 3/4" MODEL FB1000
METER BOX COVER – A.Y. McDONALD MODEL 74M32ARG
METER BOX – 18"X30" HDPE

ALL BACKFILL MATERIAL FOR METER SETTINGS WILL BE EITHER 21A STONE OR CLEAN DIRT. #57 STONE WILL ONLY BE IN THE BOTTOM



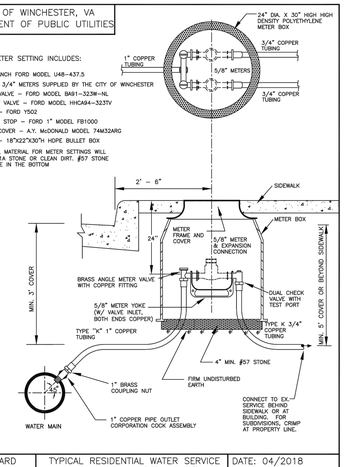
STANDARD DETAIL NO. WD– 1	TYPICAL RESIDENTIAL WATER SERVICE 5/8" x 3/4" SCALE: NONE	DATE: 04/2018

CITY OF WINCHESTER, VA
DEPARTMENT OF PUBLIC UTILITIES

TYPICAL METER SETTING INCLUDES:

1 – "U" BRANCH FORD MODEL U48–437.5
2 – 5/8" X 3/4" METERS SUPPLIED BY THE CITY OF WINCHESTER
YOKE INLET VALVE – FORD MODEL BA91–323W–NL
YOKE OUTLET VALVE – FORD MODEL HHCA84–323TV
YOKE BARS – FORD Y502
CORPORATION STOP – FORD 1" MODEL FB1000
METER BOX COVER – A.Y. McDONALD MODEL 74M32ARG
METER BOX – 18"X23"X30"H HDPE BULLET BOX

ALL BACKFILL MATERIAL FOR METER SETTINGS WILL BE EITHER 21A STONE OR CLEAN DIRT. #57 STONE WILL ONLY BE IN THE BOTTOM



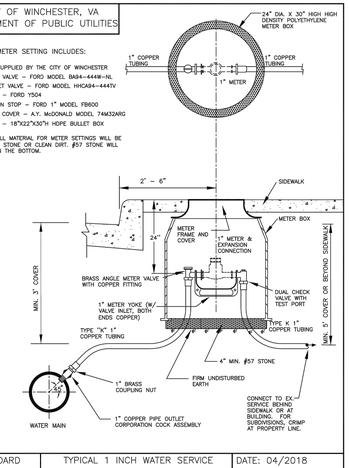
STANDARD DETAIL NO. WD– 2	TYPICAL RESIDENTIAL WATER SERVICE TWIN SETTING 5/8" x 3/4" SCALE: NONE	DATE: 04/2018

CITY OF WINCHESTER, VA
DEPARTMENT OF PUBLIC UTILITIES

TYPICAL METER SETTING INCLUDES:

1" METER SUPPLIED BY THE CITY OF WINCHESTER
YOKE INLET VALVE – FORD MODEL BA84–4448W–NL
YOKE OUTLET VALVE – FORD MODEL HHCA84–4447V
YOKE BARS – FORD Y504
CORPORATION STOP – FORD 1" MODEL FB600
METER BOX COVER – A.Y. McDONALD MODEL 74M32ARG
METER BOX – 18"X22"X30"H HDPE BULLET BOX

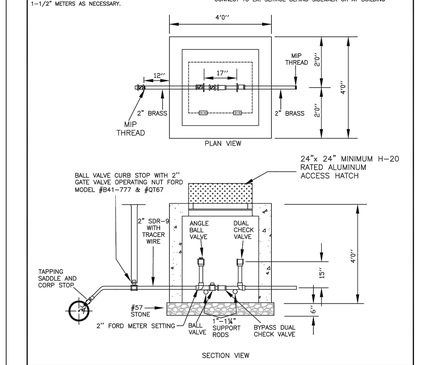
ALL BACKFILL MATERIAL FOR METER SETTINGS WILL BE EITHER 21A STONE OR CLEAN DIRT. #57 STONE WILL ONLY BE IN THE BOTTOM.



STANDARD DETAIL NO. WD– 3	TYPICAL 1 INCH WATER SERVICE SCALE: NONE	DATE: 04/2018

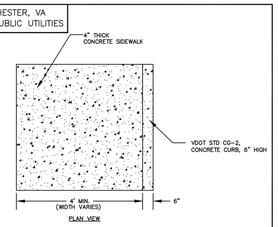
CITY OF WINCHESTER, VA
DEPARTMENT OF PUBLIC UTILITIES

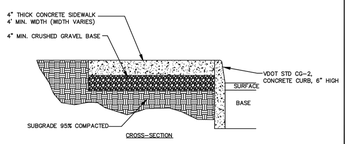
- 2" FORD COPPERSETTER MODEL # VBH477–15BHC–11–77
- 1–1/2" FORD: SAME LAYING DISTANCE AS 2" WITH ONE PAIR OF 2" x 1–1/2" METER ADAPTERS, FORD PART # A67 (FURNISHED BY CONTRACTOR)
- SET METER WIDTH TO 17". USE ADAPTERS FOR 1–1/2" METERS AS NECESSARY.
- METER SUPPLIED BY THE DEPARTMENT OF PUBLIC UTILITIES
- FLANGED ANGLE METER VALVE SHALL HAVE O–RING TYPE FLANGE METER SUPPORT BRACKETS
- BACK FLOW DEVICE REQUIRED AS SET FORTH IN CITY CROSS CONNECTION CONTROL PROGRAM
- BACKFLOW DEVICE MAY NOT BE INSTALLED IN METER VAULT
- PRECAST VAULT AS MANUFACTURED BY WINCHESTER BUILDING SUPPLY OF WINCHESTER, VA OR APPROVED EQUAL
- CONNECT TO EX. SERVICE BEHIND SIDEWALK OR AT BUILDING



STANDARD DETAIL NO. WD– 4	1 1/2" & 2" METER INSTALLATION SCALE: NONE	DATE: 02/2018

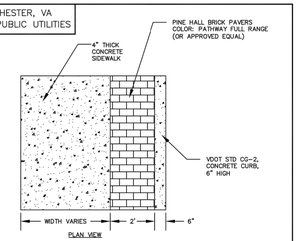
CITY OF WINCHESTER, VA
DEPARTMENT OF PUBLIC UTILITIES

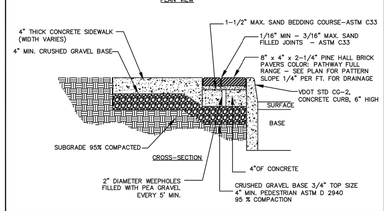




STANDARD DETAIL NO. SW–1	STANDARD CONCRETE SIDEWALK SCALE: NONE	DATE: 10/2017

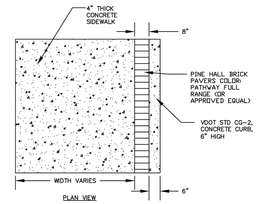
CITY OF WINCHESTER, VA
DEPARTMENT OF PUBLIC UTILITIES

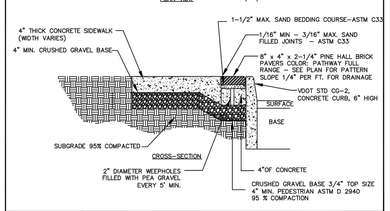




STANDARD DETAIL NO. SW–2	HISTORIC DISTRICT SIDEWALK SIX–FEET WIDE AND ABOVE SCALE: NONE	DATE: 10/2017

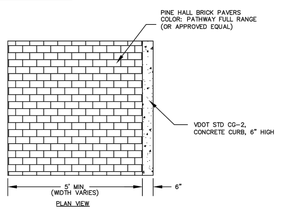
CITY OF WINCHESTER, VA
DEPARTMENT OF PUBLIC UTILITIES

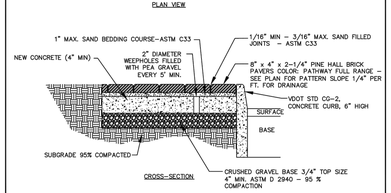




STANDARD DETAIL NO. SW–3	HISTORIC DISTRICT SIDEWALK LESS THAN SIX–FEET WIDE SCALE: NONE	DATE: 10/2017

CITY OF WINCHESTER, VA
DEPARTMENT OF PUBLIC UTILITIES





STANDARD DETAIL NO. SW–4	ALL BRICK SIDEWALK SCALE: NONE	DATE: 10/2017

REVISIONS

NO.	DATE	DESCRIPTION	BY

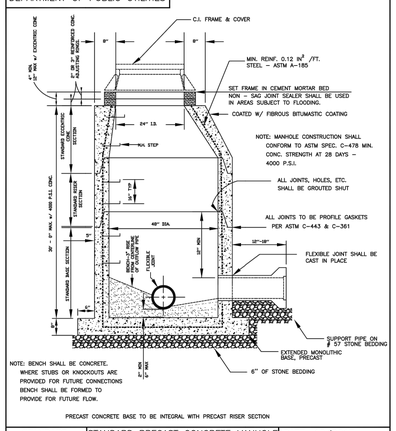
S. KENT STREET AND WOODSTOCK LANE INFRASTRUCTURE IMPROVEMENTS

DETAILS SHEET 1

CITY OF WINCHESTER VIRGINIA
ENGINEERING DIVISION
15 N. CAMERON STREET
WINCHESTER, VA 22601
PH: (540) 667–1815
FAX: (540)662–3351

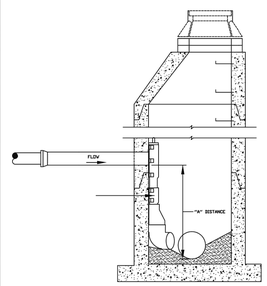
DRAWN BY: ND
PROJECT NO: 201807
SCALE: 1" = N/A
DATE: 04/2018
SHEET: 2/22

CITY OF WINCHESTER, VA
DEPARTMENT OF PUBLIC UTILITIES



STANDARD DETAIL NO. SS–1	STANDARD PRECAST CONCRETE MANHOLE SEWER 8" TO 24" SCALE: NONE	DATE: 10/2017

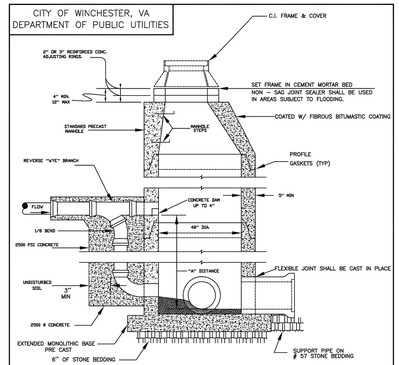
CITY OF WINCHESTER, VA
DEPARTMENT OF PUBLIC UTILITIES



NOTES: WHERE "A" DISTANCE IS LESS THAN 3'–1" THE INCOMING SEWER SHALL BE LOWERED SO THAT THE TOP OF THE INCOMING SEWER IS NOT MORE THAN 2 FT. ABOVE THE TOP OF THE OUTGOING SEWER

STANDARD DETAIL NO. SS–2	INSIDE DROP CONNECTION FOR SANITARY MAINS 8" – 12" SCALE: NONE	DATE: 10/2017

CITY OF WINCHESTER, VA
DEPARTMENT OF PUBLIC UTILITIES



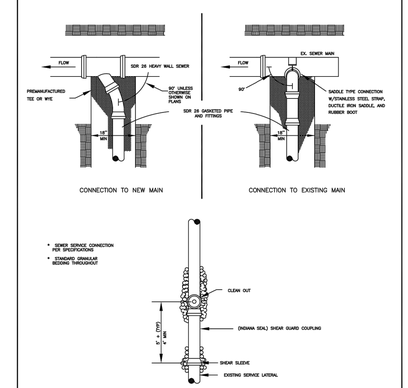
NOTES: WHERE "A" DISTANCE IS LESS THAN 6'–0" THE INCOMING SEWER SHALL BE LOWERED SO THAT THE TOP OF THE INCOMING SEWER IS NOT MORE THAN 2 FT. ABOVE THE TOP OF THE OUTGOING SEWER

WHERE "A" DISTANCE IS GREATER THAN 6'–0" USE STANDARD DROP CONNECTION.

CONCRETE ENCASEMENT MAY BE ELIMINATED IF D.I. PIPE AND FITTINGS ARE USED FOR DROP CONNECTION

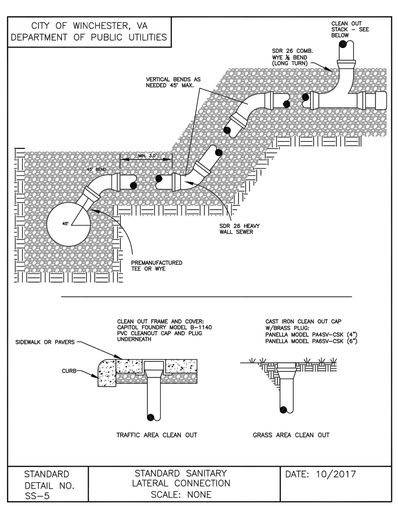
STANDARD DETAIL NO. SS–3	OUTSIDE DROP CONNECTION FOR SANITARY MAINS 15" AND LARGER SCALE: NONE	DATE: 10/2017

CITY OF WINCHESTER, VA
DEPARTMENT OF PUBLIC UTILITIES



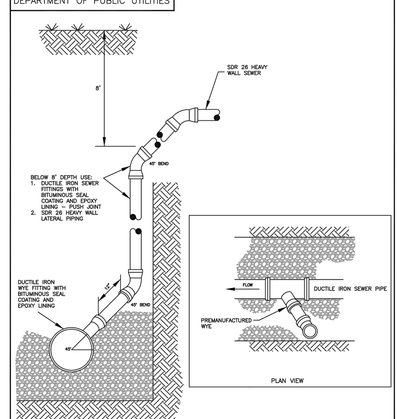
STANDARD DETAIL NO. SS– 4	STANDARD SANITARY LATERAL CONNECTION SCALE: NONE	DATE: 10/2017

CITY OF WINCHESTER, VA
DEPARTMENT OF PUBLIC UTILITIES



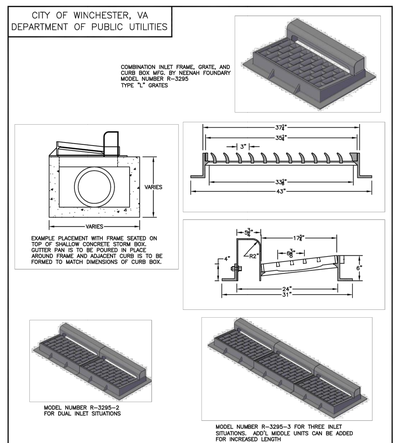
STANDARD DETAIL NO. SS–5	STANDARD SANITARY LATERAL CONNECTION SCALE: NONE	DATE: 10/2017

CITY OF WINCHESTER, VA
DEPARTMENT OF PUBLIC UTILITIES



STANDARD DETAIL NO. SS–5a	SANITARY LATERAL VERTICAL CONNECTION FOR DEPTHS GREATER THAN 15 FEET SCALE: NONE	DATE: 10/2017

CITY OF WINCHESTER, VA
DEPARTMENT OF PUBLIC UTILITIES



STANDARD DETAIL NO. SD – 5	MODIFIED DI–1 (SHALLOW) SCALE: NONE	DATE: 10/2017

REVISIONS

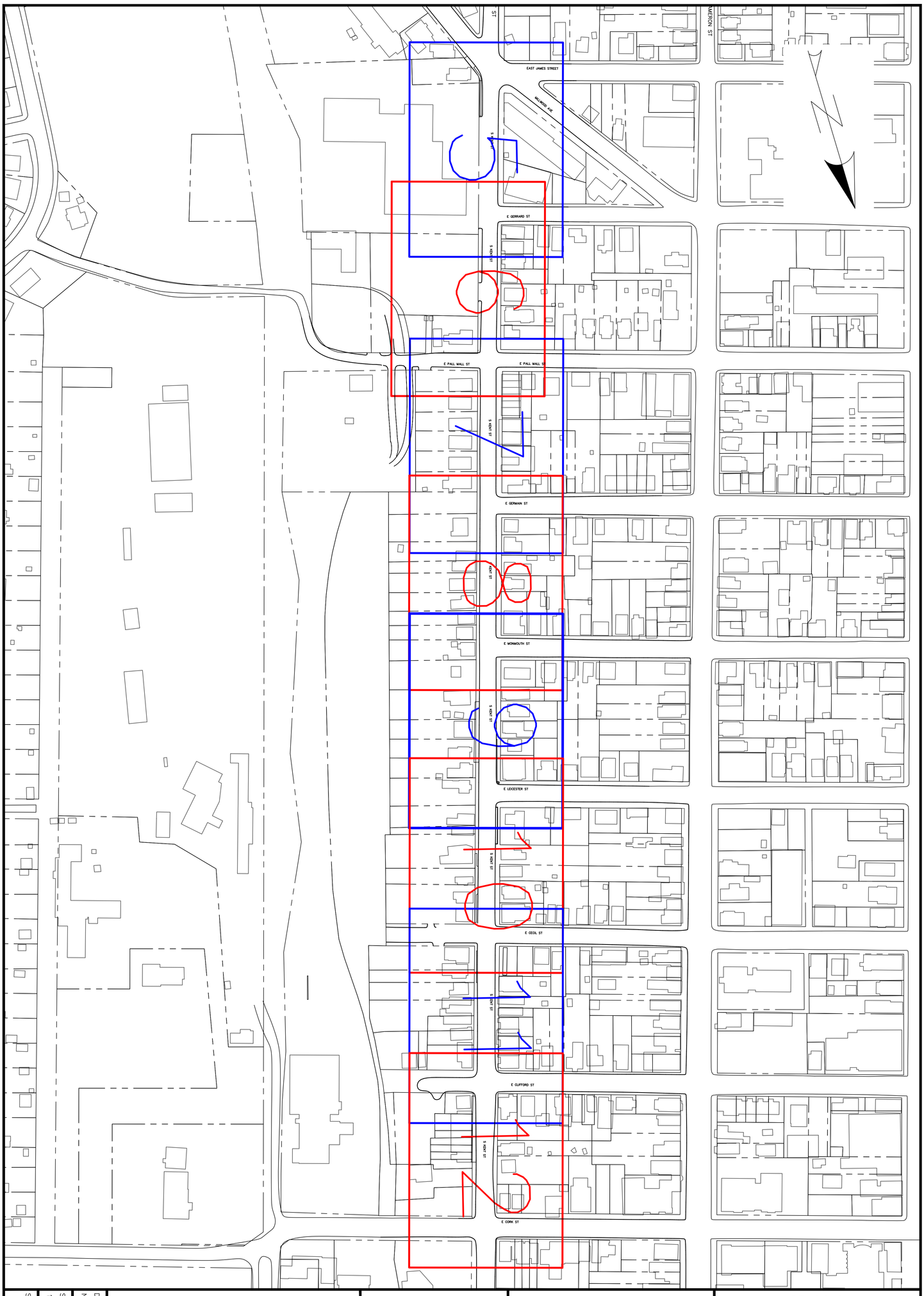
NO.	DATE	DESCRIPTION	BY

S. KENT STREET AND WOODSTOCK LANE
INFRASTRUCTURE IMPROVEMENTS

DETAILS SHEET 2

CITY OF WINCHESTER VIRGINIA
ENGINEERING DIVISION
15 N. CAMERON STREET
WINCHESTER, VA 22601
PH: (540) 667–1815
FAX: (540)662–3351

DRAWN BY: ND
PROJECT NO: 201807
SCALE: 1" = N/A
DATE: 04/2018
SHEET: 3/22



SHEET: 4/22	SCALE: 1" = 100'	DATE: 04/2018	DRAWN BY: ND
			PROJECT NO: 201807

Winchester public services Virginia

CITY OF WINCHESTER VIRGINIA

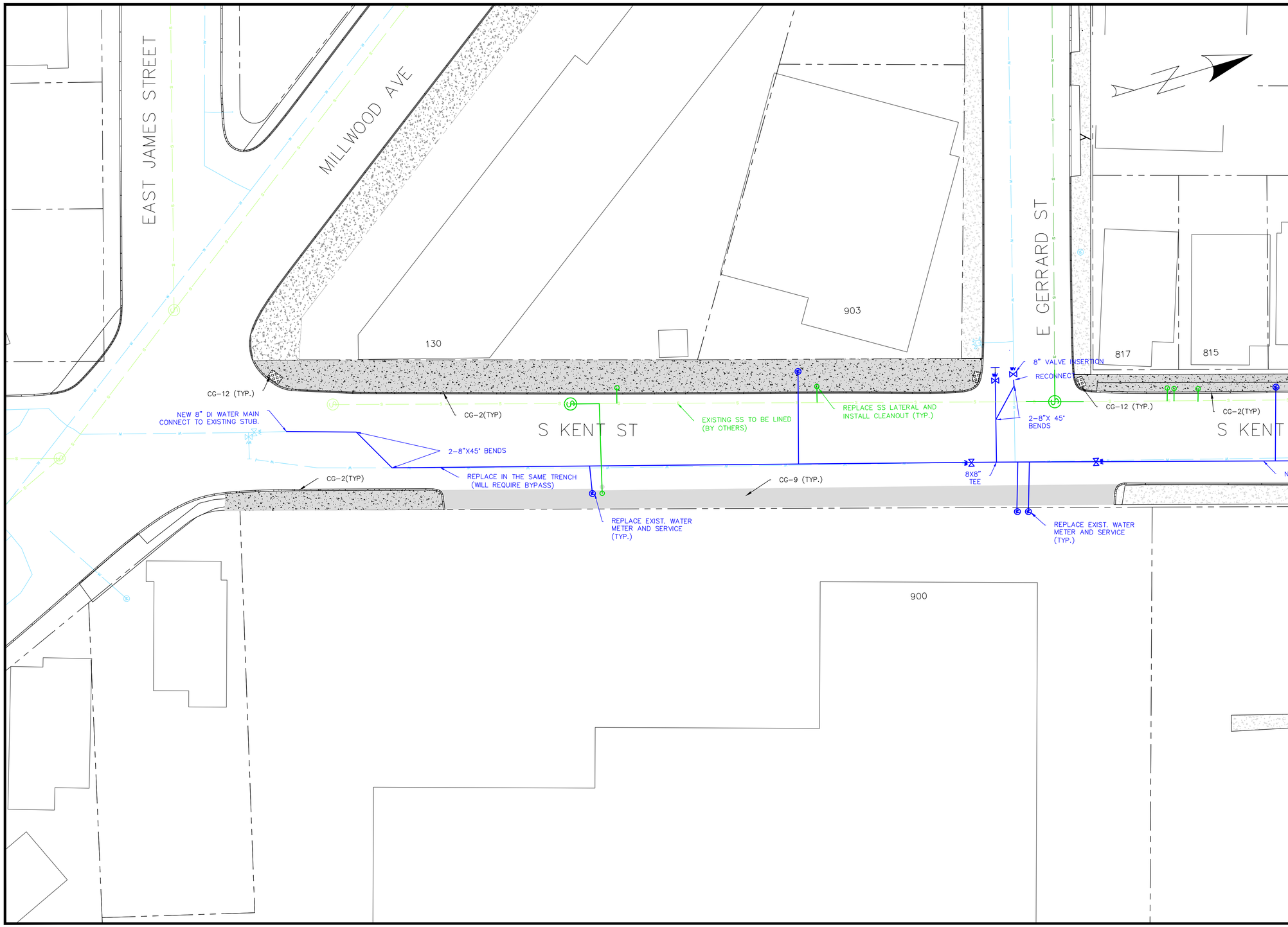
CITY OF WINCHESTER VIRGINIA
ENGINEERING DIVISION
15 N. CAMERON STREET
WINCHESTER, VA 22601
PH: (540) 667-1815
FAX: (540)662-3351

S. KENT STREET AND WOODSTOCK LANE INFRASTRUCTURE IMPROVEMENTS

S. KENT STREET INDEX SHEET

REVISIONS

NO.	DATE	DESCRIPTION	BY



REVISIONS

NO.	DATE	DESCRIPTION	BY

S. KENT STREET AND WOODSTOCK LANE INFRASTRUCTURE IMPROVEMENTS

MILLWOOD-GERRARD

CITY OF WINCHESTER VIRGINIA
ENGINEERING DIVISION
15 N. CAMERON STREET
WINCHESTER, VA 22601
PH: (540) 667-1815
FAX: (540)662-3351

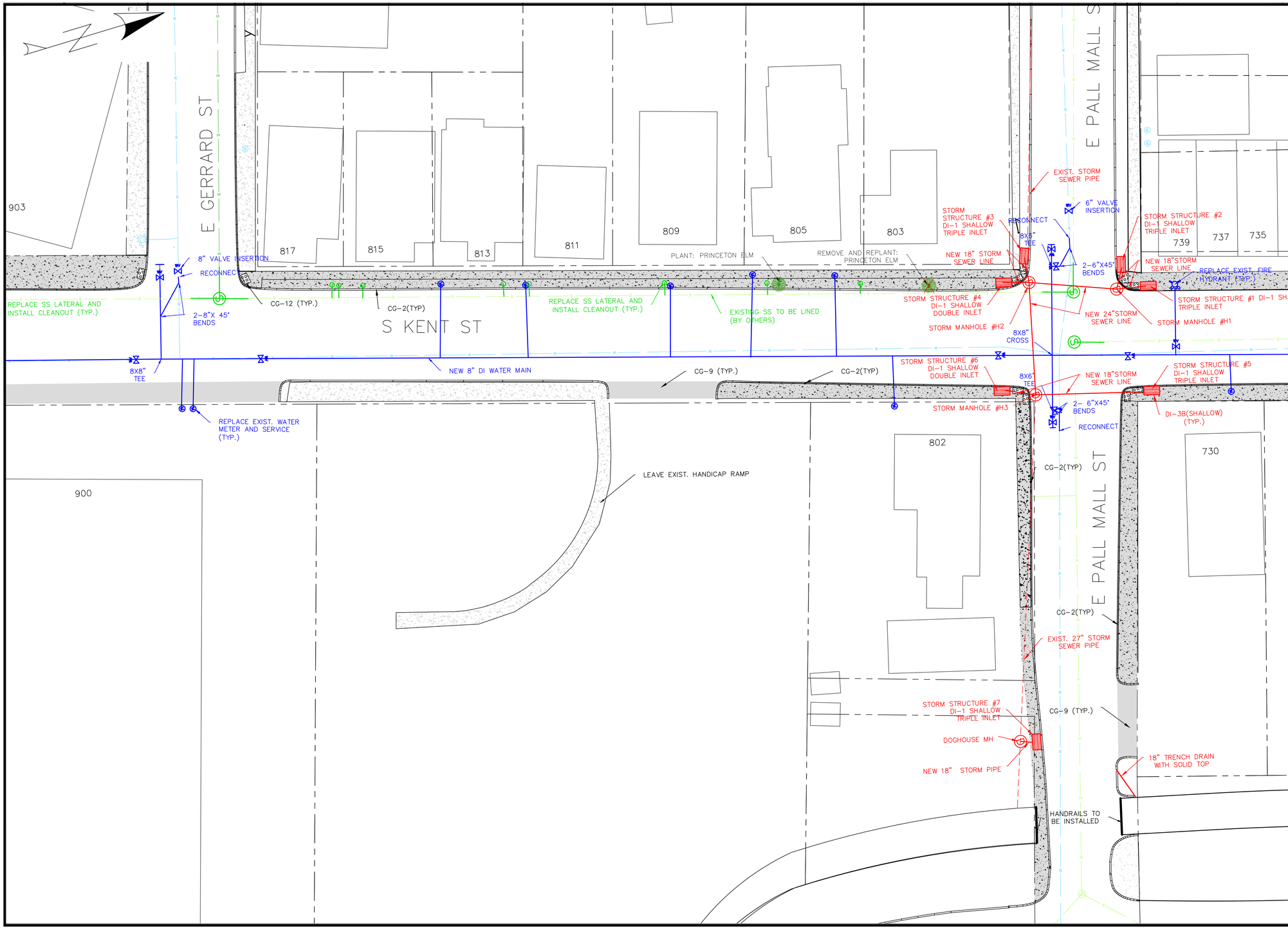
DRAWN BY: ND

PROJECT NO: 201807

SCALE: 1" = 20'

DATE: 04/2018

SHEET: 5/22



REVISIONS

NO.	DATE	DESCRIPTION	BY

S. KENT STREET AND WOODSTOCK LANE INFRASTRUCTURE IMPROVEMENTS

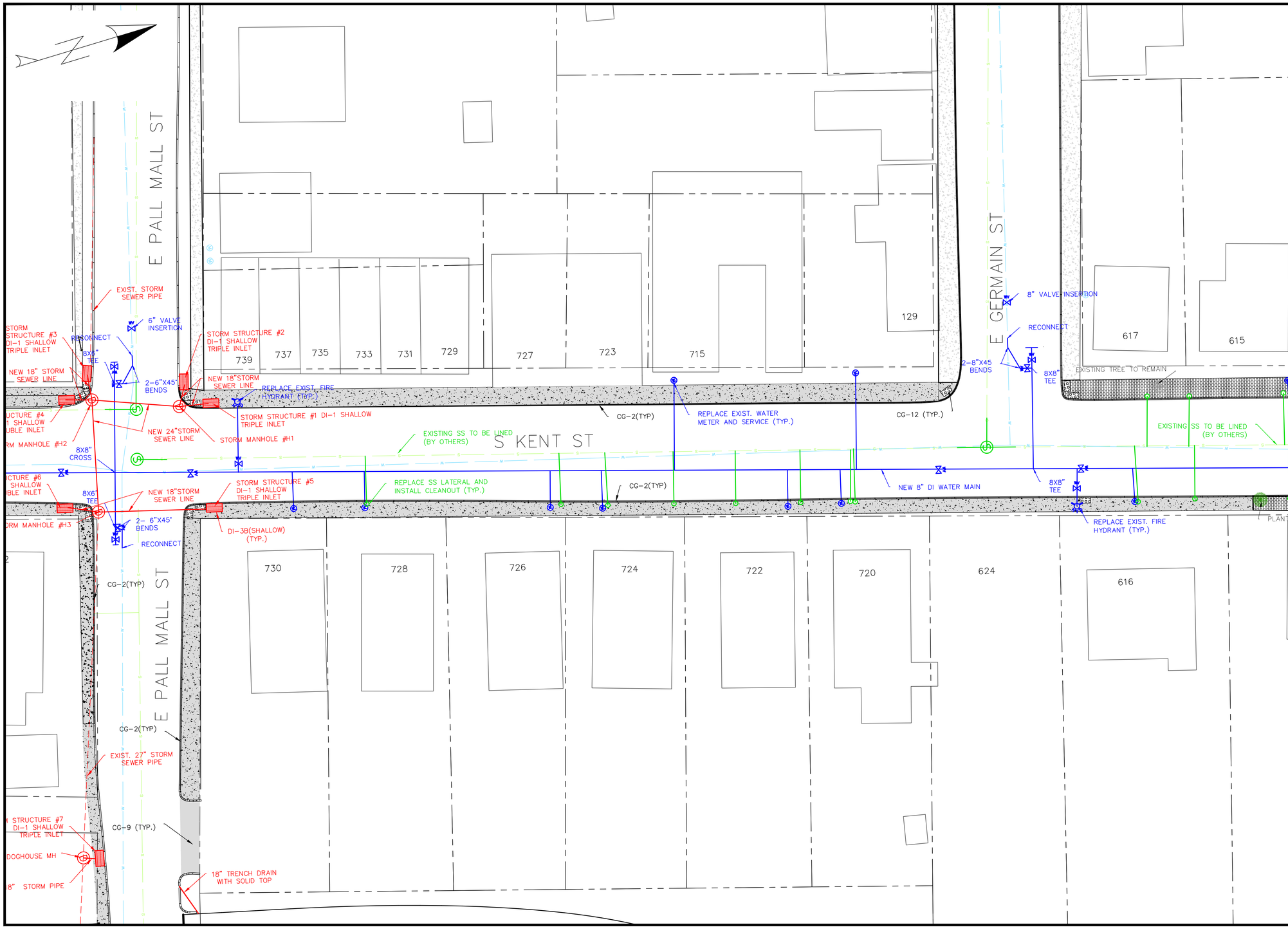
GERRARD-PALL MALL

CITY OF WINCHESTER VIRGINIA
ENGINEERING DIVISION
15 N. CAMERON STREET
WINCHESTER, VA 22601
PH: (540) 667-1815
FAX: (540)662-3351

Winchester Virginia public services

DRAWN BY:	PROJECT NO:
ND	201807
SCALE:	DATE:
1" = 20'	04/2018

SHEET: 6/22



REVISIONS			
NO.	DATE	DESCRIPTION	BY

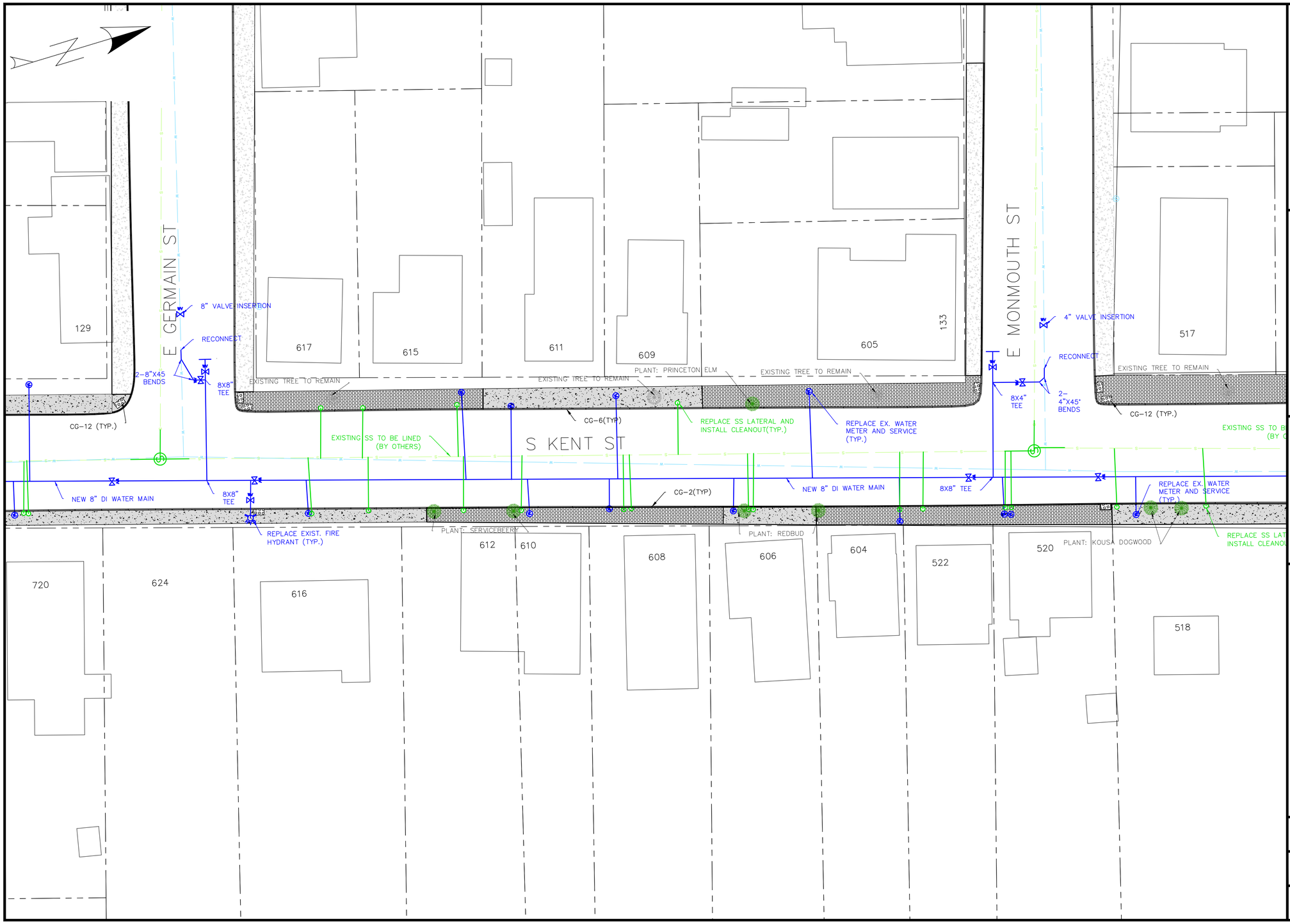
S. KENT STREET AND WOODSTOCK LANE
INFRASTRUCTURE IMPROVEMENTS

PALL MALL–GERMAIN

CITY OF WINCHESTER VIRGINIA
ENGINEERING DIVISION
15 N. CAMERON STREET
WINCHESTER, VA 22601
PH: (540) 667-1815
FAX: (540)662-3351

Winchester Virginia public services

DRAWN BY:	PROJECT NO:
ND	201807
SCALE: 1" = 20'	DATE: 04/2018
SHEET:	7/22



REVISIONS

NO.	DATE	DESCRIPTION	BY

S. KENT STREET AND WOODSTOCK LANE
INFRASTRUTURE IMPROVEMENTS

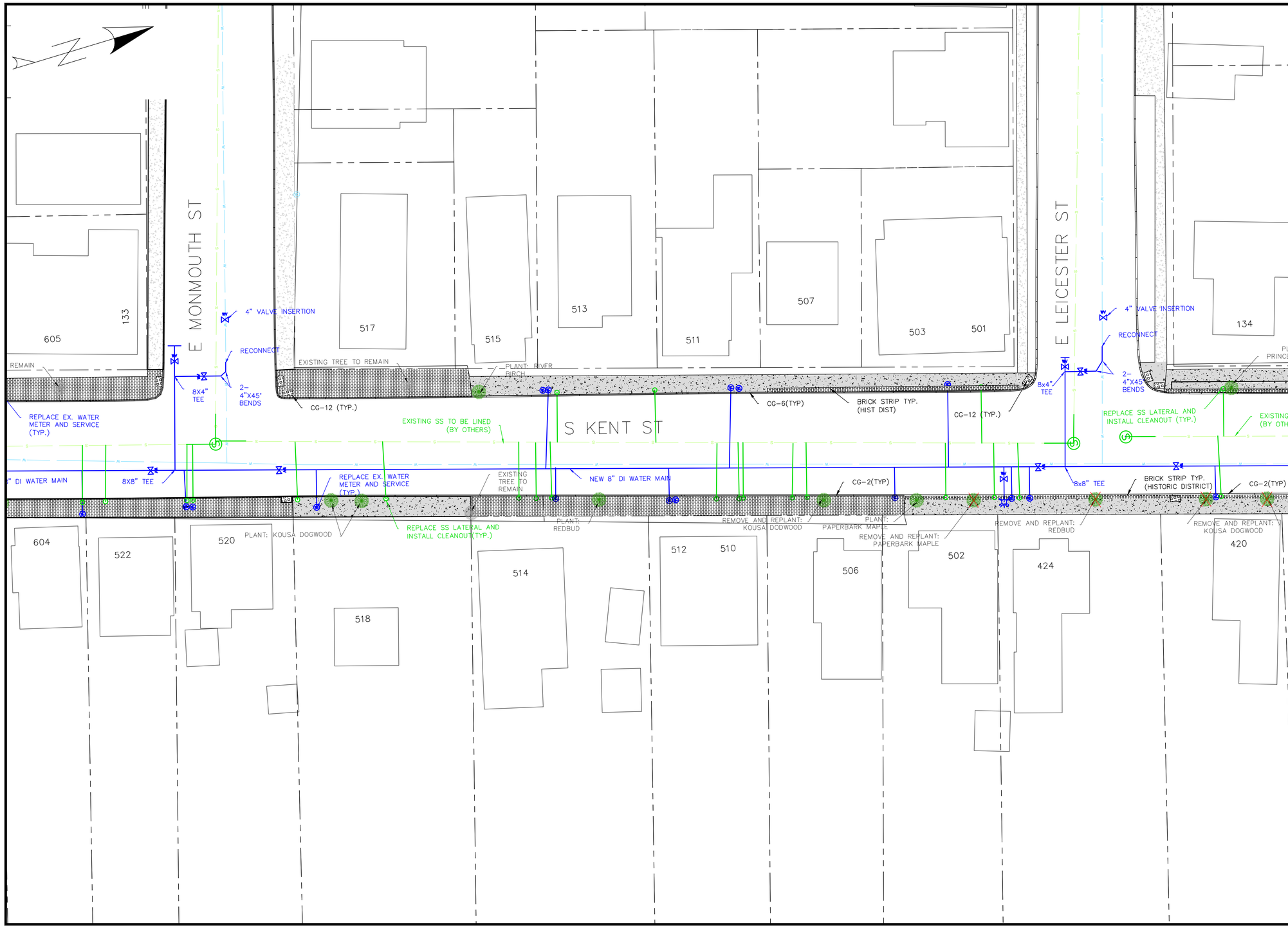
GERMAIN–MONMOUTH

CITY OF WINCHESTER VIRGINIA
ENGINEERING DIVISION
15 N. CAMERON STREET
WINCHESTER, VA 22601
PH: (540) 667-1815
FAX: (540)662-3351

Winchester public services Virginia

DRAWN BY:	PROJECT NO:
ND	201807
SCALE:	DATE:
1" = 20'	04/2018

SHEET: 8/22



REVISIONS			
NO.	DATE	DESCRIPTION	BY

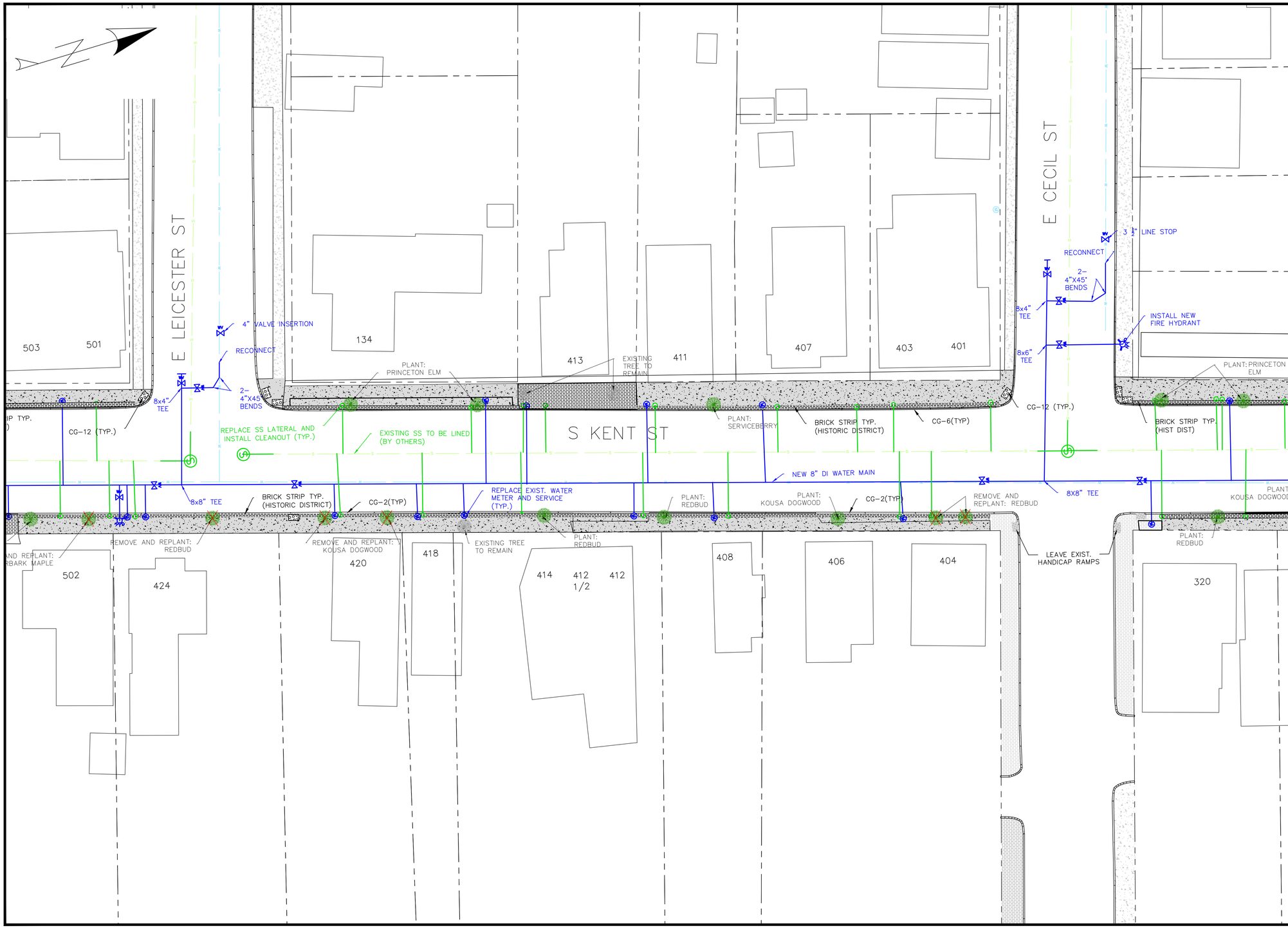
S. KENT STREET AND WOODSTOCK LANE
INFRASTRUCTURE IMPROVEMENTS

MONMOUTH-LEICESTER

CITY OF WINCHESTER VIRGINIA
ENGINEERING DIVISION
15 N. CAMERON STREET
WINCHESTER, VA 22601
PH: (540) 667-1815
FAX: (540)662-3351

Winchester Virginia public services

DRAWN BY:	PROJECT NO:
ND	201807
SCALE:	DATE:
1" = 20'	04/2018
SHEET:	9/22



REVISIONS

NO.	DATE	DESCRIPTION	BY

S.KENT STREET AND WOODSTOCK LANE INFRASTRUCTURE IMPROVEMENTS

LEICESTER-CECIL

CITY OF WINCHESTER VIRGINIA
ENGINEERING DIVISION
15 N. CAMERON STREET
WINCHESTER, VA 22601
PH: (540) 667-1815
FAX: (540)662-3351

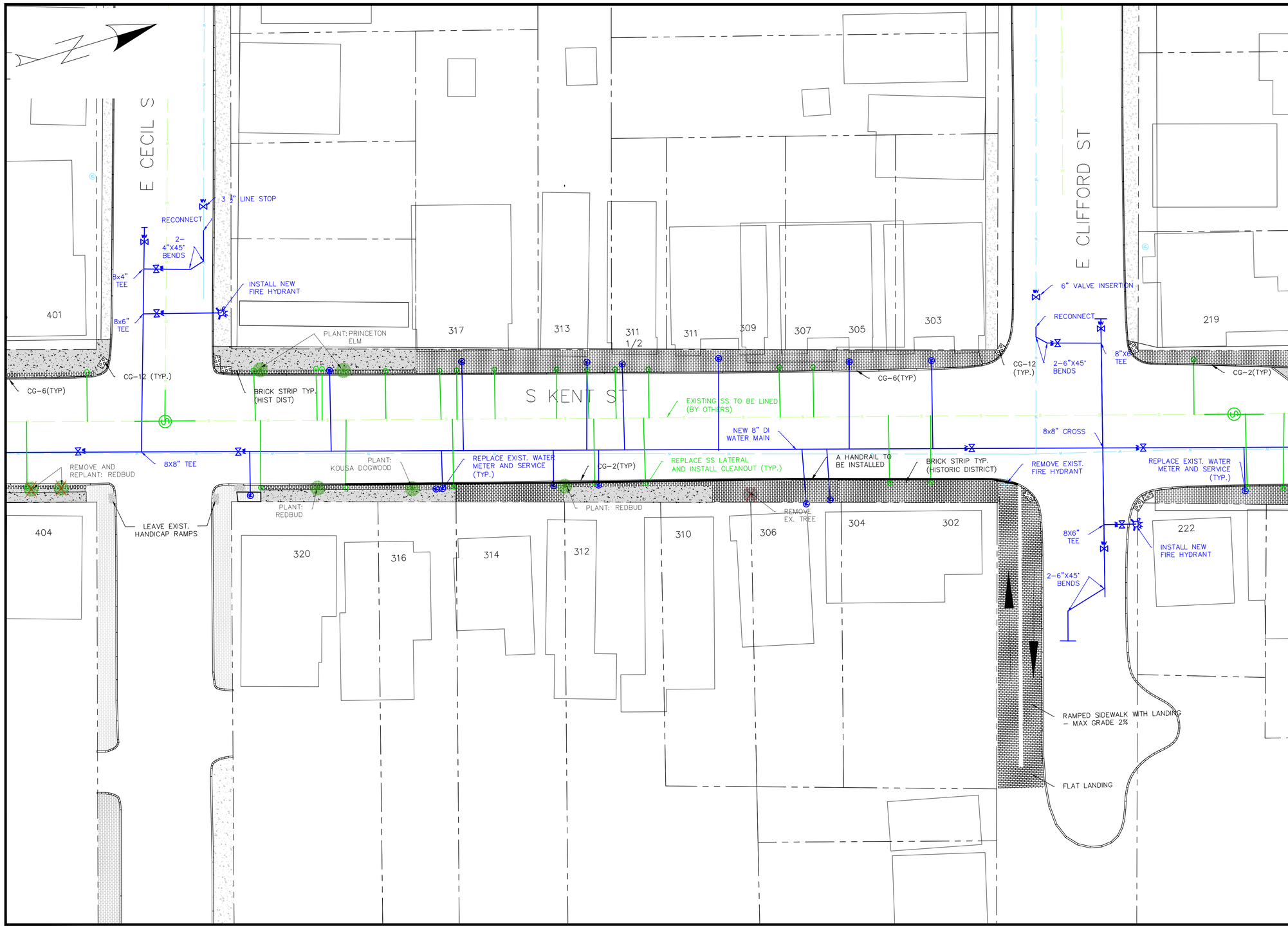
DRAWN BY: ND

PROJECT NO: 201807

SCALE: 1" = 20'

DATE: 04/2018

SHEET: 10/22



REVISIONS

NO.	DATE	DESCRIPTION	BY

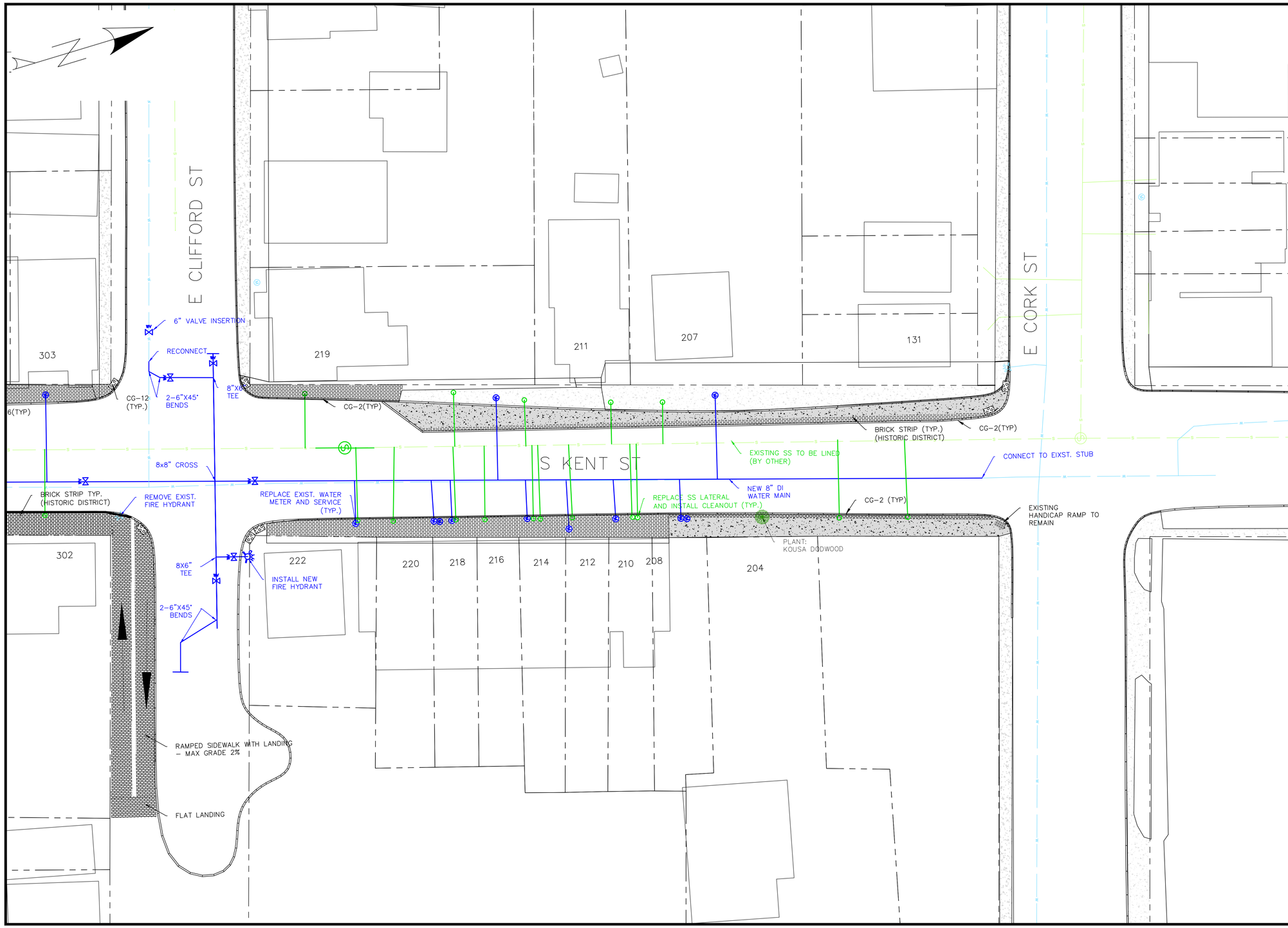
S. KENT STREET AND WOODSTOCK LANE INFRASTRUCTURE IMPROVEMENTS

CECIL-CLIFFORD

CITY OF WINCHESTER VIRGINIA
ENGINEERING DIVISION
15 N. CAMERON STREET
WINCHESTER, VA 22601
PH: (540) 667-1815
FAX: (540)662-3351

Winchester Virginia public services

DRAWN BY:	PROJECT NO:
ND	201807
SCALE:	DATE:
1" = 20'	04/2018
SHEET:	11/22



REVISIONS

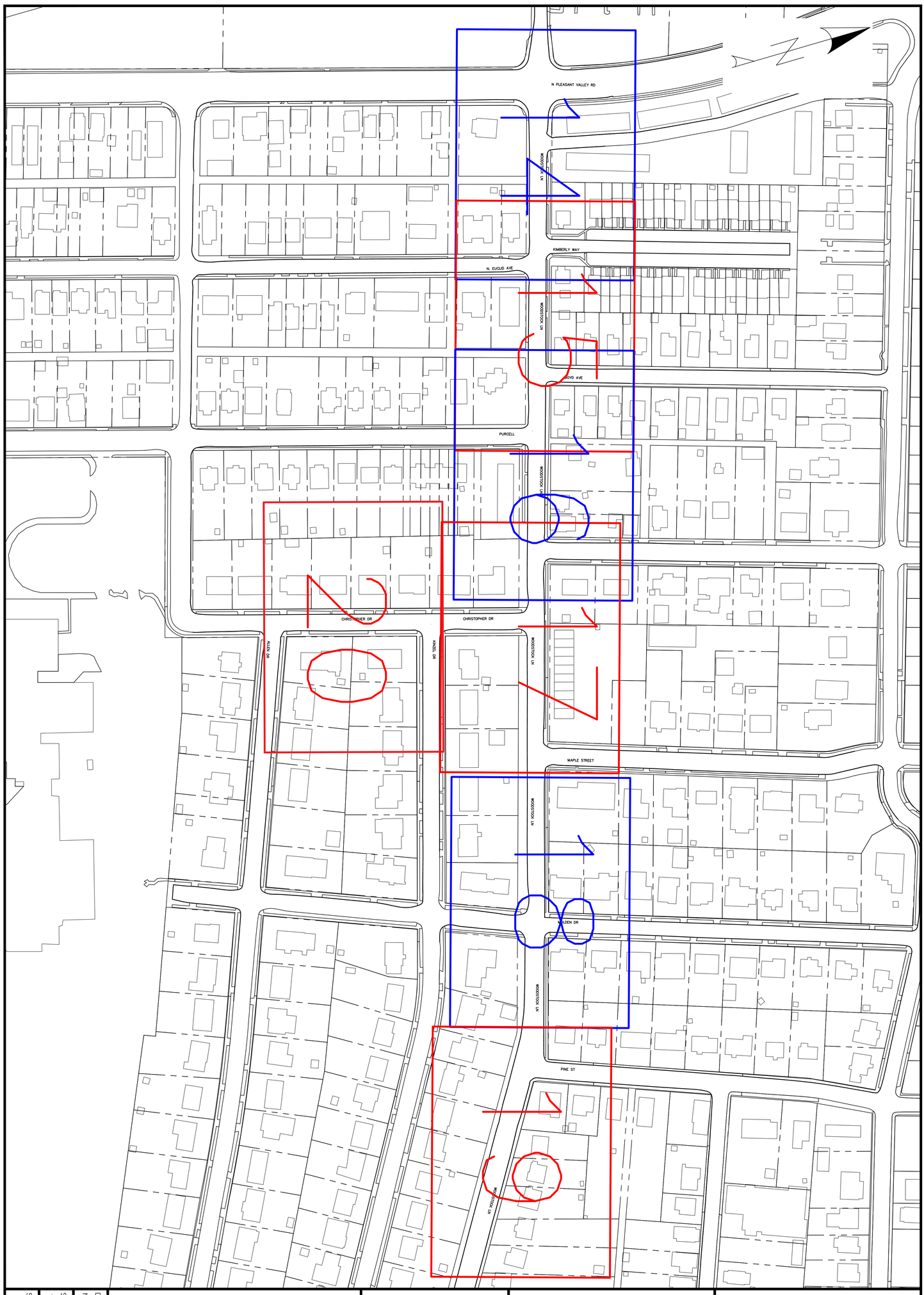
NO.	DATE	DESCRIPTION	BY

S. KENT STREET AND WOODSTOCK LANE
INFRASTRUCTURE IMPROVEMENTS

CLIFFORD–CORK

CITY OF WINCHESTER VIRGINIA
ENGINEERING DIVISION
15 N. CAMERON STREET
WINCHESTER, VA 22601
PH: (540) 667-1815
FAX: (540)662-3351

DRAWN BY:	PROJECT NO:
ND	201807
SCALE:	DATE:
1" = 20'	04/2018
SHEET:	12/22



SHEET: 13/22	SCALE: 1" = 100'	DATE: 04/2018	DRAWN BY: ND
			PROJECT NO: 201807

Winchester public services Virginia

CITY OF WINCHESTER VIRGINIA

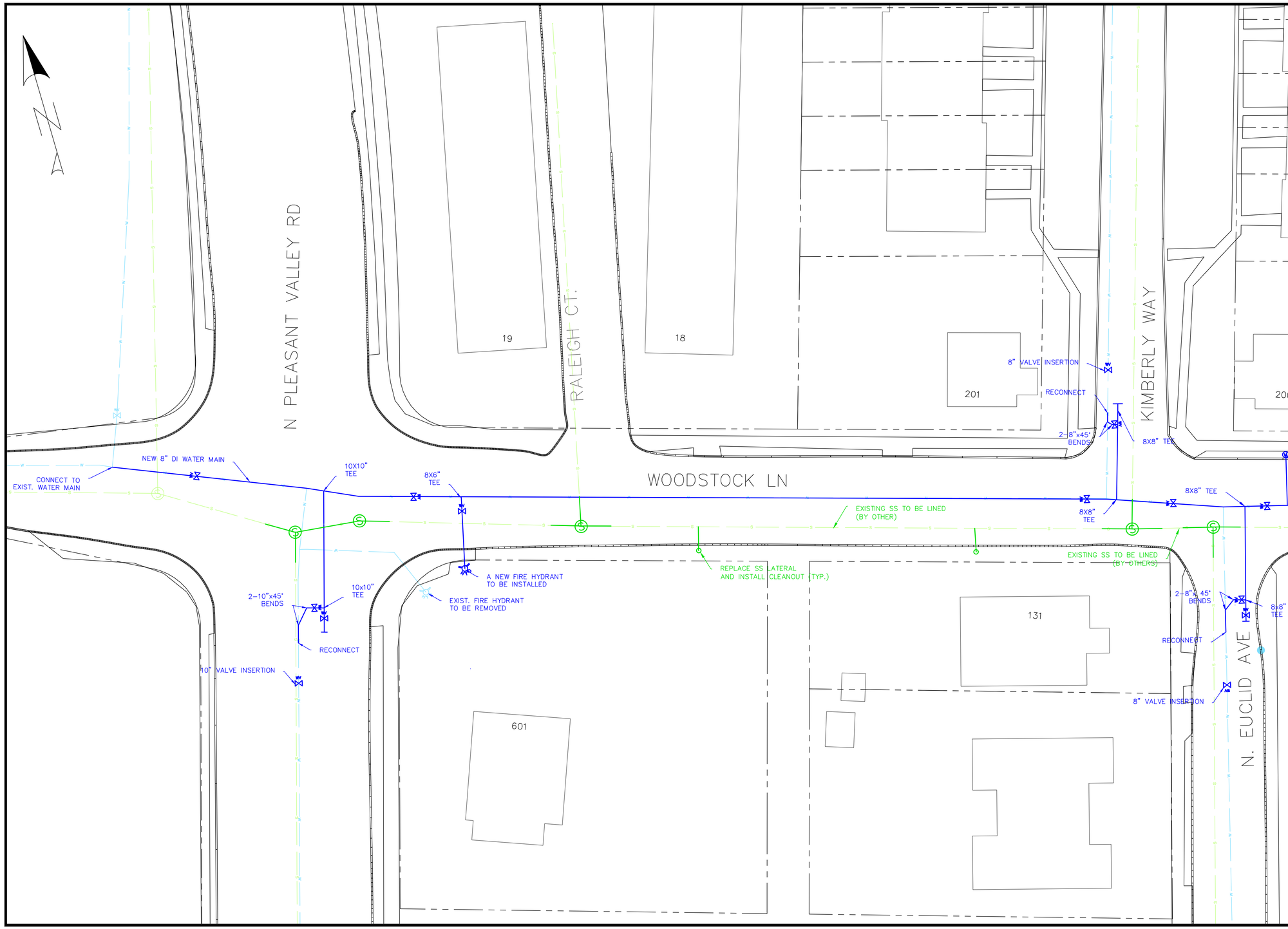
ENGINEERING DIVISION
15 N. CAMERON STREET
WINCHESTER, VA 22601
PH: (540) 667-1815
FAX: (540)662-3351

S. KENT STREET AND WOODSTOCK LANE INFRASTRUCTURE IMPROVEMENTS

WOODSTOCK LANE INDEX SHEET

REVISIONS

NO.	DATE	DESCRIPTION	BY



REVISIONS			
NO.	DATE	DESCRIPTION	BY

S. KENT STREET AND WOODSTOCK LANE
INFRASTRUCTURE IMPROVEMENTS

PLEASANT VALLEY-KIMBERLY

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15 N. CAMERON STREET
WINCHESTER, VA 22601
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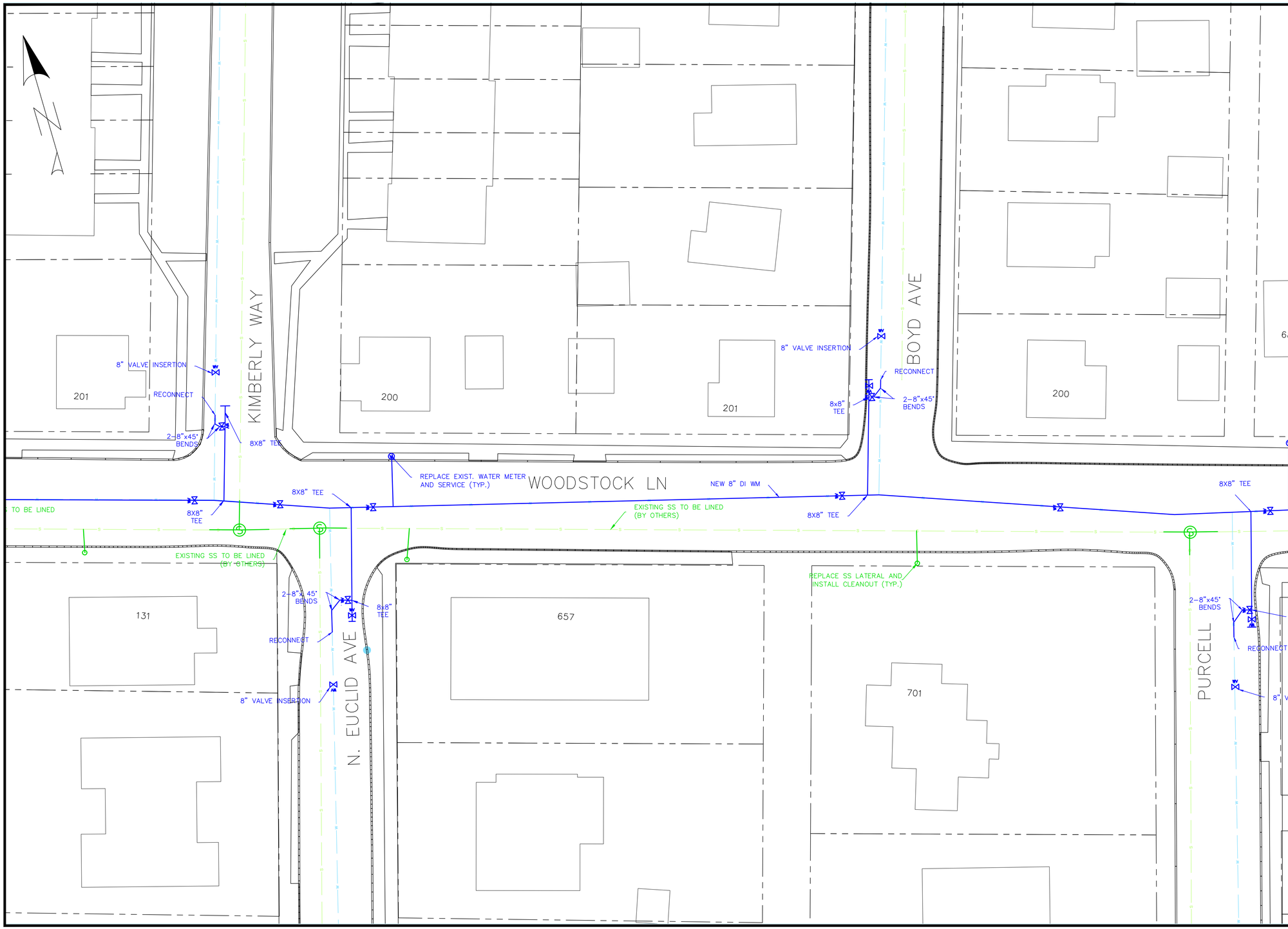
FAX: (540)662-3351

Winchester Virginia public services

DRAWN BY:	PROJECT NO:
ND	201807
SCALE:	DATE:
1" = 20'	04/2018
SHEET:	14/22



REVISIONS

NO.	DATE	DESCRIPTION	BY

S. KENT STREET AND WOODSTOCK LANE
INFRASTRUCTURE IMPROVEMENTS

KIMBERLY-BOYD

CITY OF WINCHESTER VIRGINIA
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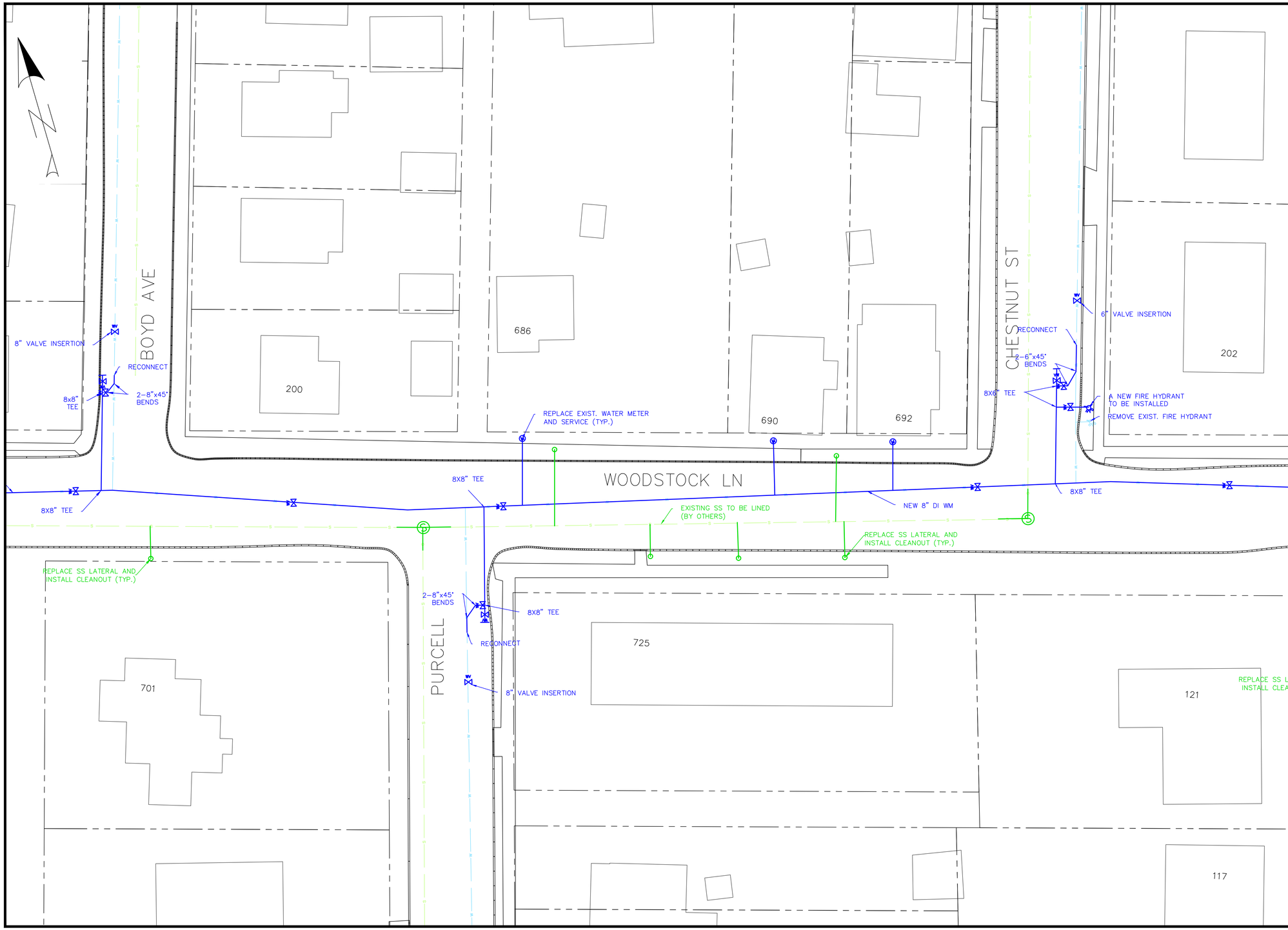
DRAWN BY:	PROJECT NO:
ND	201807
SCALE:	DATE:
1" = 20'	04/2018
SHEET:	15/22



REVISIONS

NO.	DATE	DESCRIPTION	BY

S. KENT STREET AND WOODSTOCK LANE INFRASTRUCTURE IMPROVEMENTS

BOYD-CHESTNUT

CITY OF WINCHESTER VIRGINIA
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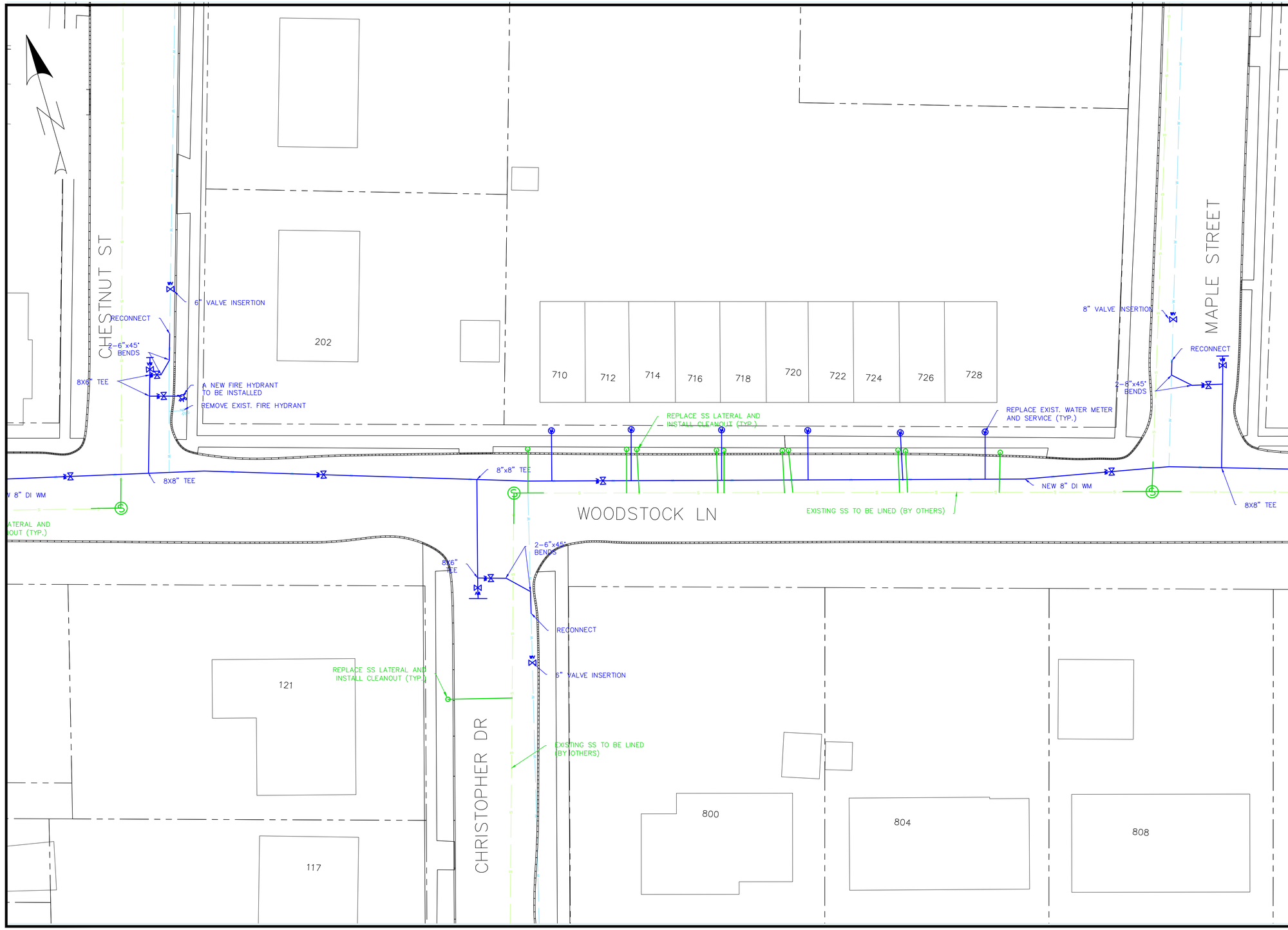
DRAWN BY:	PROJECT NO:
ND	201807
SCALE:	DATE:
1" = 20'	04/2018

SHEET: 16/22



REVISIONS

NO.	DATE	DESCRIPTION	BY

S. KENT STREET AND WOODSTOCK LANE INFRASTRUCTURE IMPROVEMENTS

CHESTNUT–MAPLE

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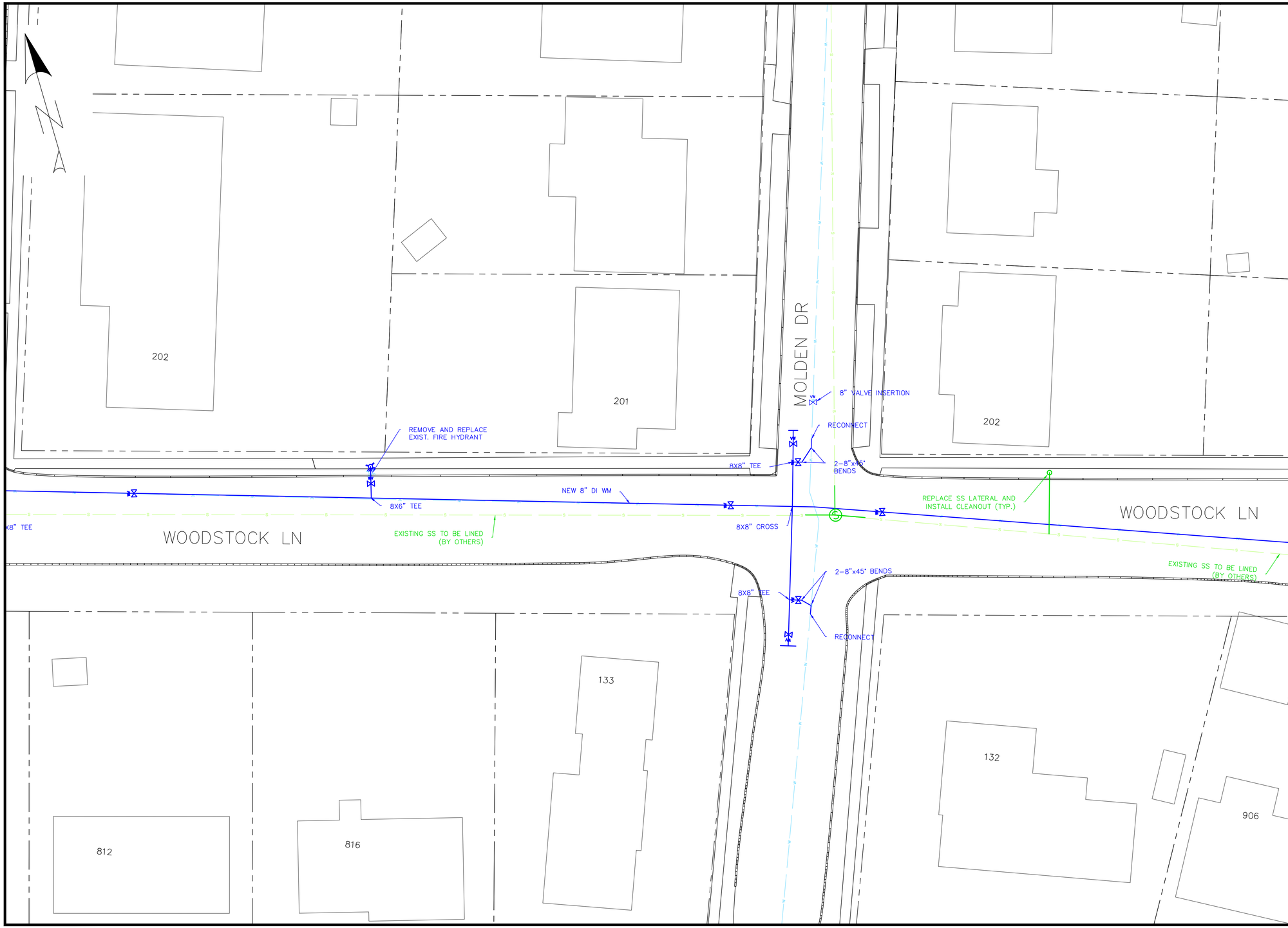
DRAWN BY: ND
PROJECT NO: 201807
SCALE: 1" = 20'
DATE: 04/2018
SHEET: 17/22



REVISIONS

NO.	DATE	DESCRIPTION	BY

S. KENT STREET AND WOODSTOCK LANE
INFRASTRUCTURE IMPROVEMENTS

MOLDEN

CITY OF
WINCHESTER
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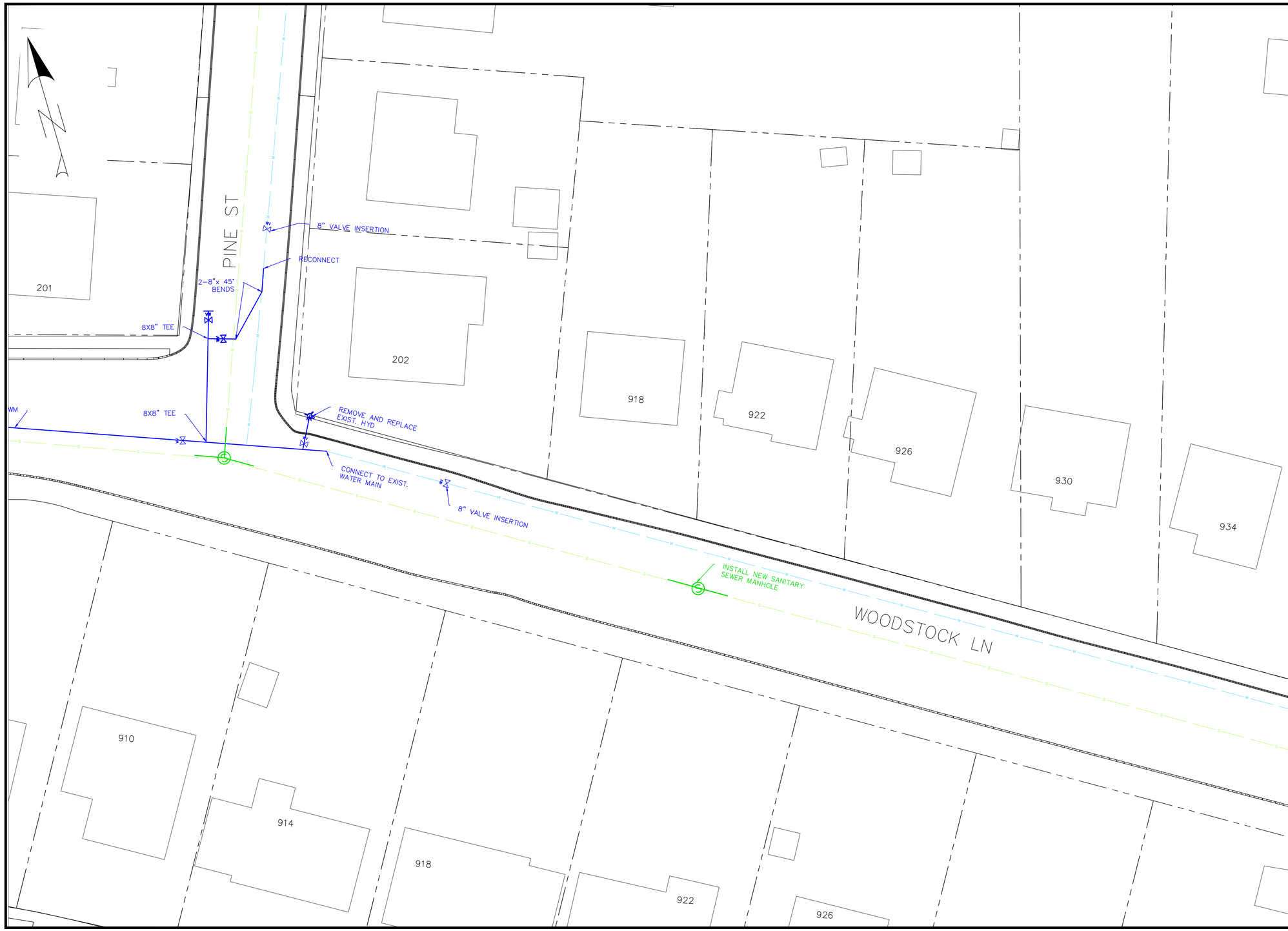
DRAWN BY:	PROJECT NO:
ND	201807
SCALE:	DATE:
1" = 20'	04/2018
SHEET:	18/22



REVISIONS

NO.	DATE	DESCRIPTION	BY

S. KENT STREET AND WOODSTOCK LANE
INFRASTRUCTURE IMPROVEMENTS

PINE

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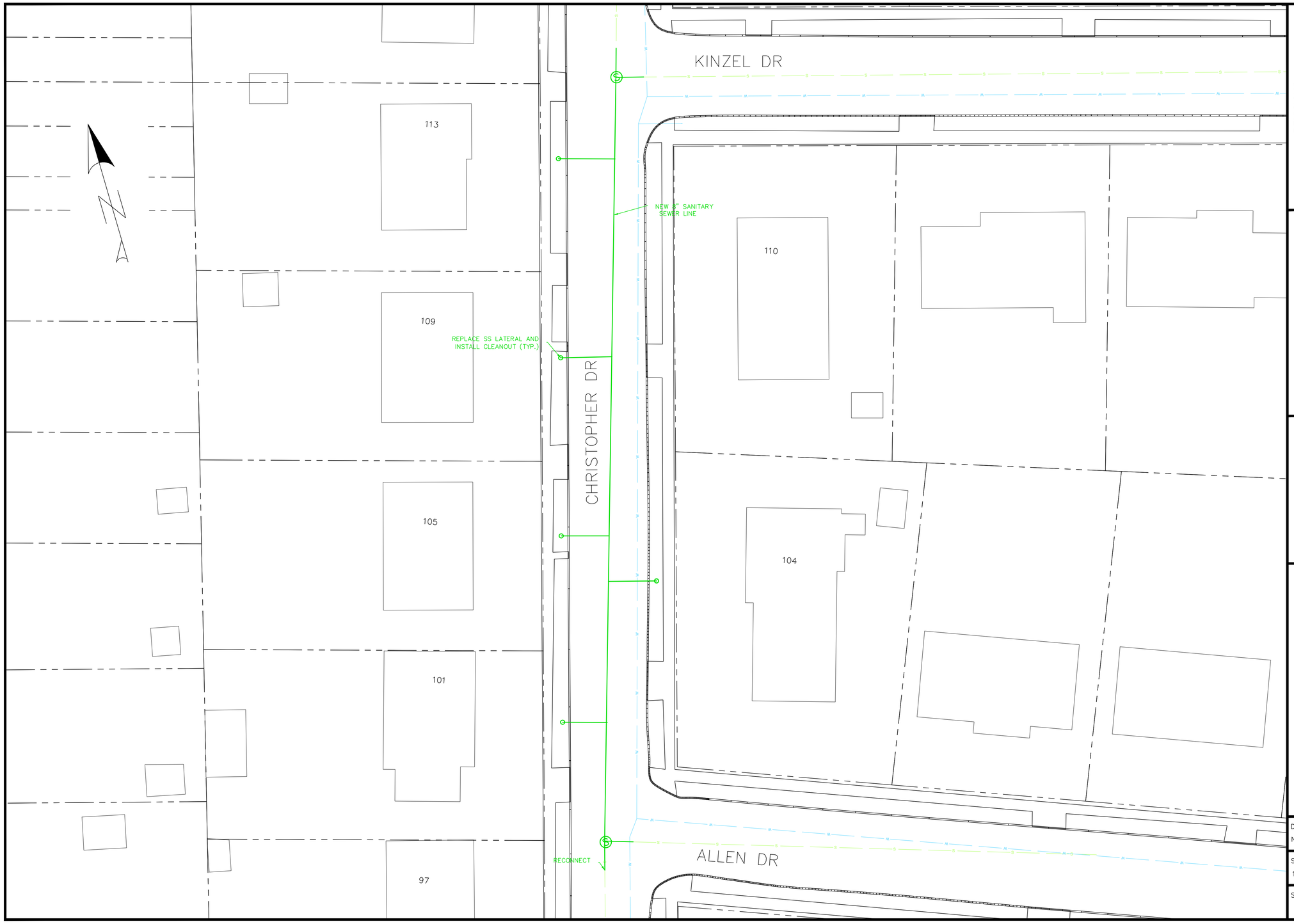
Winchester Virginia public services

DRAWN BY: ND
PROJECT NO: 201807
SCALE: 1" = 20'
DATE: 04/2018
SHEET: 19/22



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NO.	DATE	DESCRIPTION	BY

S. KENT STREET AND WOODSTOCK LANE
INFRASTRUCTURE IMPROVEMENTS

CHRISTOPHER DR

CITY OF WINCHESTER
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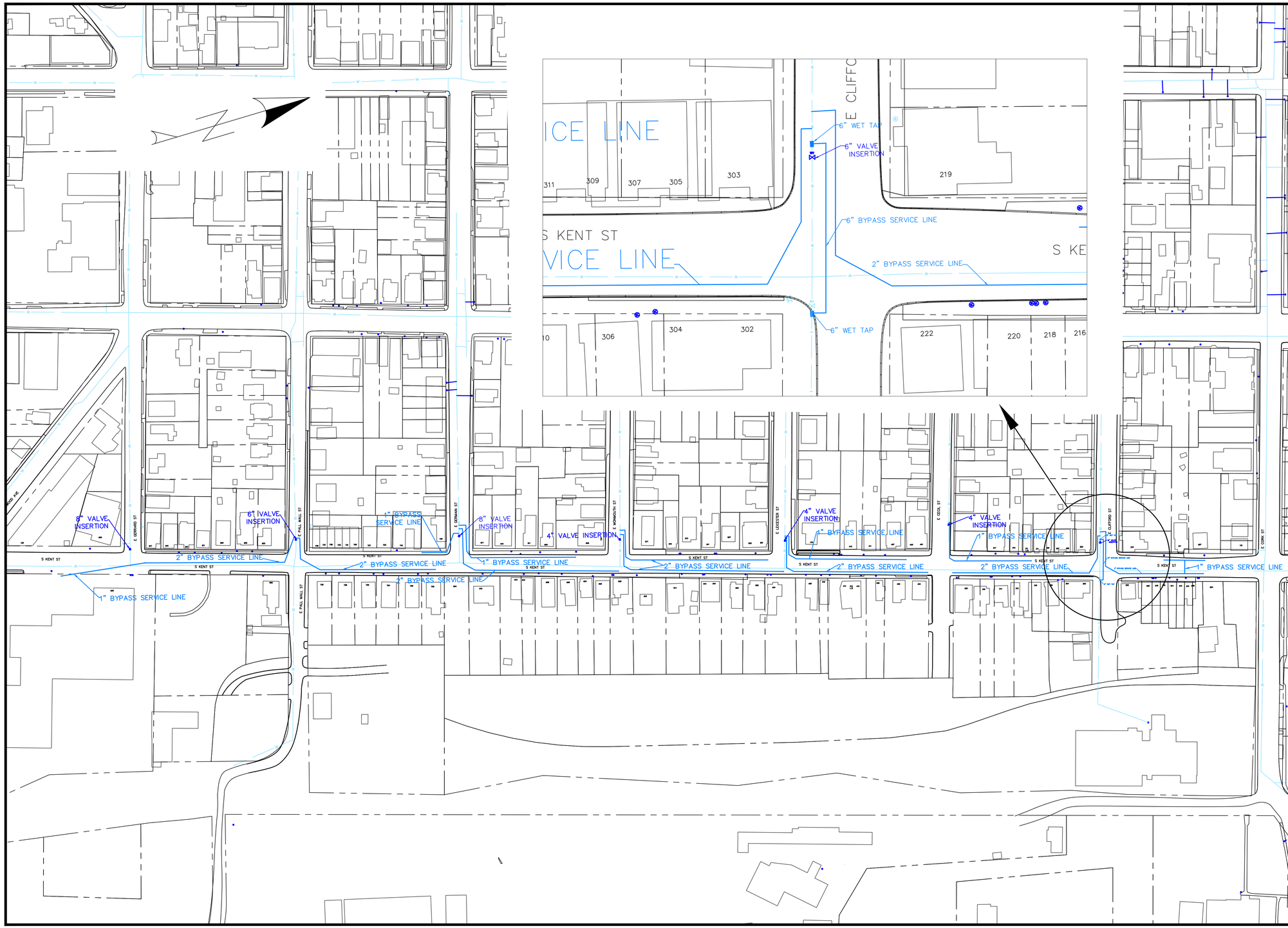
WINCHESTER, VA 22601
PH: (540) 667-1815
FAX: (540)662-3351

DRAWN BY: ND
PROJECT NO: 201807
SCALE: 1" = 20'
DATE: 04/2018
SHEET: 20/22



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NO.	DATE	DESCRIPTION	BY

S. KENT STREET AND WOODSTOCK LANE
INFRASTRUCTURE IMPROVEMENTS

S. KENT STREET BYPASS PLAN

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15 N. CAMERON STREET
WINCHESTER, VA 22601
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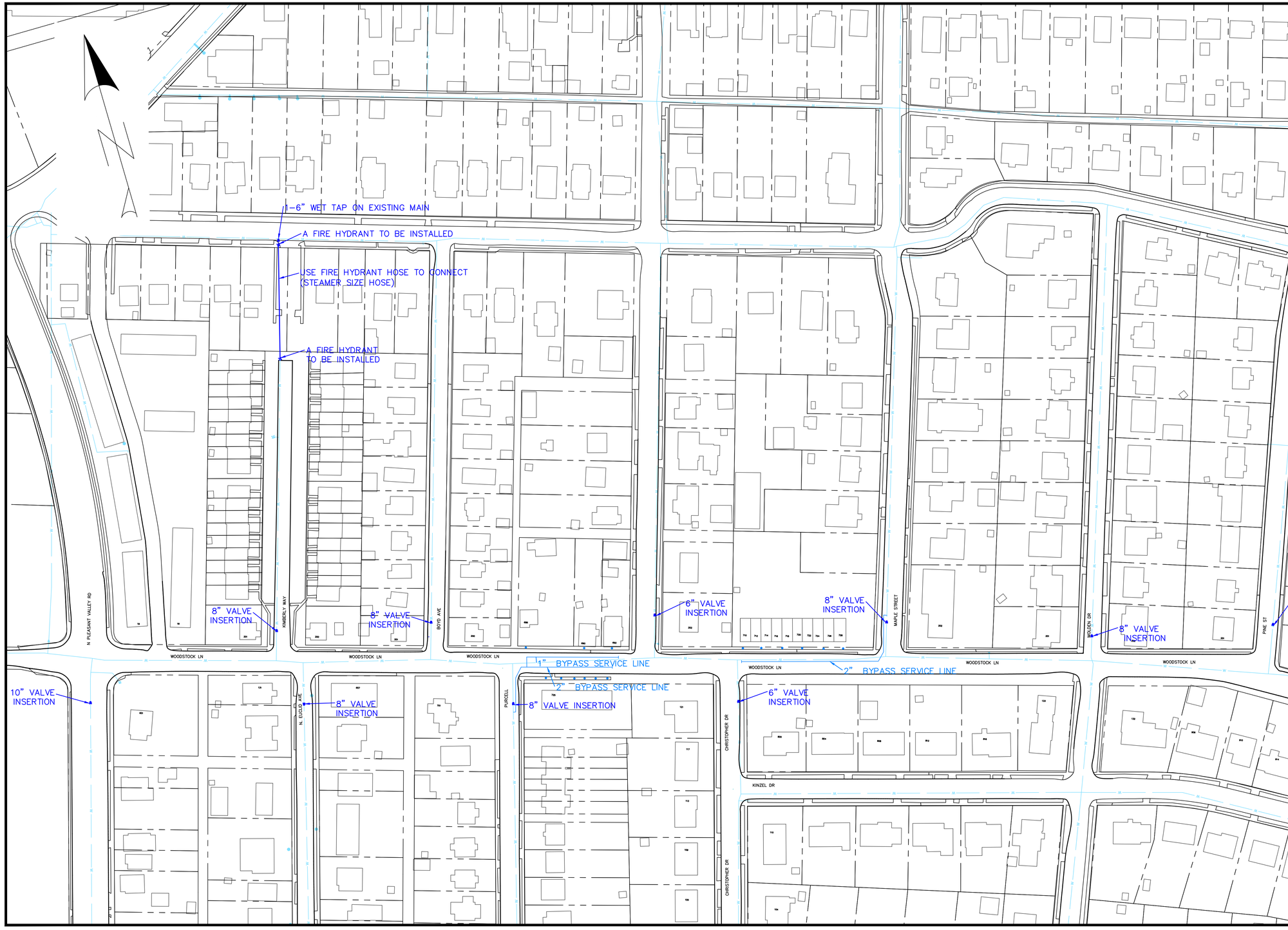
DRAWN BY: ND
PROJECT NO: 201807
SCALE: 1" = 60'
DATE: 04/2018
SHEET: 21/22



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NO.	DATE	DESCRIPTION	BY

S. KENT STREET AND WOODSTOCK LANE
INFRASTRUCTURE IMPROVEMENTS

WOODSTOCK LANE BYPASS PLAN

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WINCHESTER, VA 22601
PH: (540) 667-1815
FAX: (540)662-3351

Winchester Virginia public services

DRAWN BY: ND
PROJECT NO: 201807
SCALE: 1" = 50'
DATE: 04/2018
SHEET: 22/22