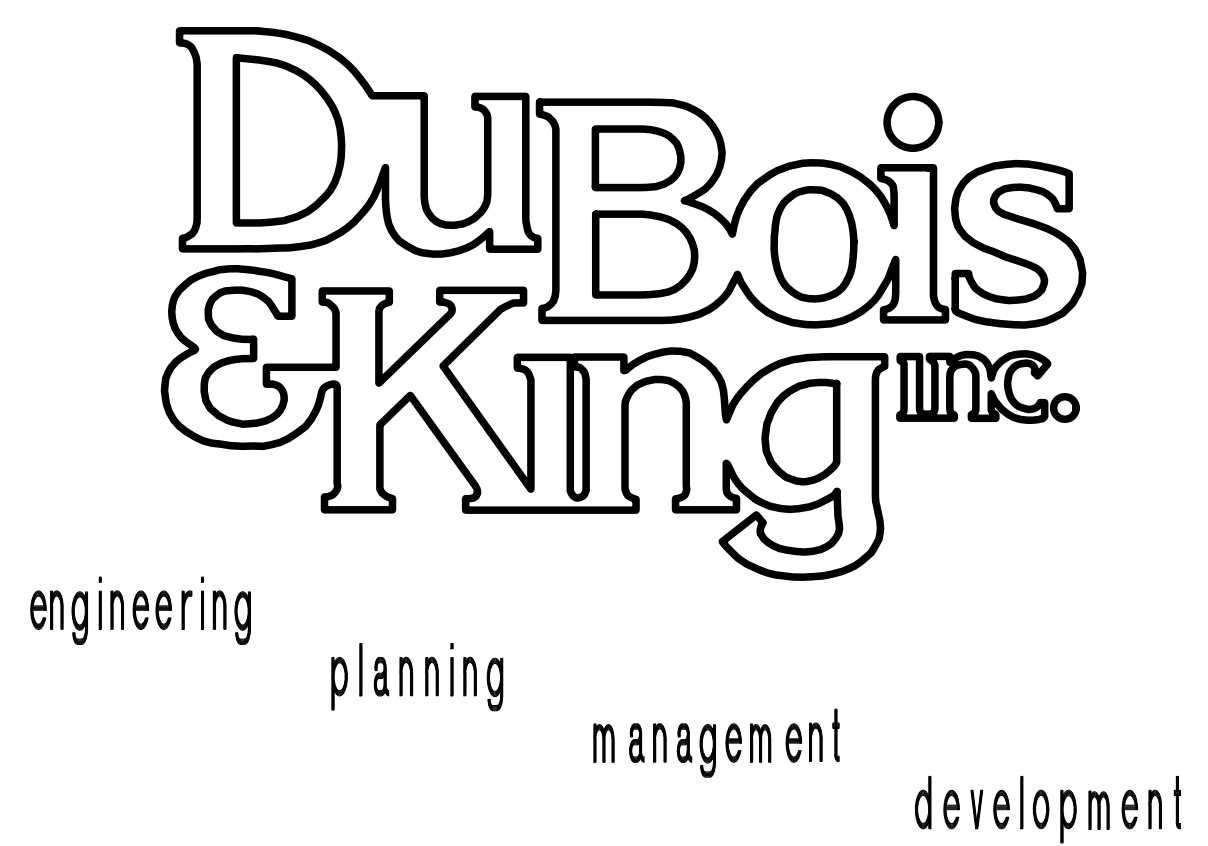
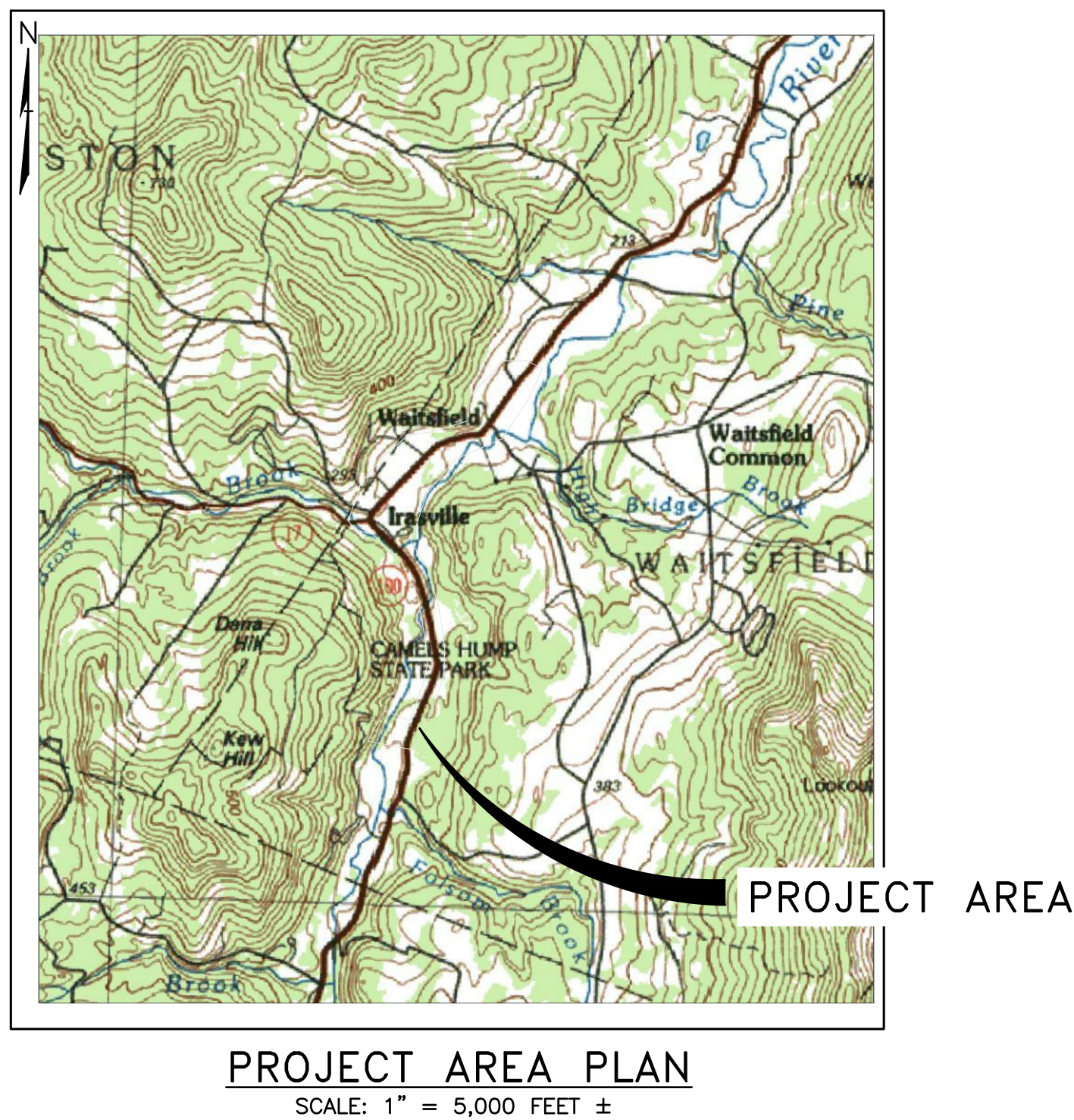


TOWN OF WAITSFIELD WAITSFIELD, VERMONT

COMMUNITY WASTEWATER SYSTEM



www.dubois-king.com
© Copyright 2024 DuBois & King inc.

NOT FOR CONSTRUCTION
60% DESIGN SET

REVISIONS		DATE	NUMBER	BY	REVISION DESCRIPTION

CLIENT NAME
TOWN OF WAITSFIELD

PROJECT NAME
WAITSFIELD COMMUNITY WASTEWATER SYSTEM
PROJECT ADDRESS
4144 MAIN STREET
WAITSFIELD, VERMONT 05673

SHEET TITLE

TITLE SHEET

D&K PROJECT # 227947	PROJ. ENG. JBA
DRAWN BY EBS	CHECKED BY NJS
DATE MAY 17, 2025	

SHEET NUMBER

G1

60% DESIGN SET
NOT FOR CONSTRUCTION














5/17/2025

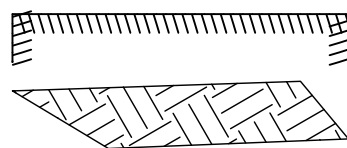
SHEET: 1 of 64

I:\2\227947 Waitsfield Water and Wastewater Feasibility Study\Drawings\Civil\227947-TL001.DWG 5/17/2025 9:25 AM

LEGEND














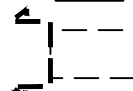


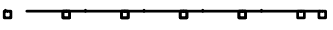
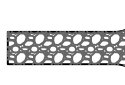



EXISTING

	MAJOR CONTOUR
	MINOR CONTOUR
	EDGE OF PAVEMENT
	EDGE OF GRAVEL
	TREE LINE
	UNDER GROUND ELECTRICAL
	UNDER GROUND CABLE
	WATER MAIN
	SEWER
	STORM DRAIN
	FENCE
	STONE WALL
	WETLAND



	BENCH MARK
	CATCH BASIN
	TELEPHONE MANHOLE
	SEWER MANHOLE
	MANHOLE
	GAS MANHOLE
	ELECTRICAL MANHOLE
	WELL
	UTILITY POLE
	CONTROL POINT
	LIGHT POLE
	SIGN (2 POST)
	SIGN (1 POST)
	GAS VALVE
	HYDRANT
	IRON PIPE FOUND
	WATER SHUT OFF
	GAS SHUT OFF
	TREE
	GUY WIRE
	STONE BOUND
	MAILBOX
	BORING
	TEST PIT
	MONITORING WELL
	HAZARDOUS WASTE SITE

NEW

	SEWER MAIN
	SEWER SERVICE
	FORCE MAIN
	FORCE MAIN SERVICE
	WATER SERVICE
	SEWER MANHOLE
	VALVE VAULT
	AIR RELEASE
	FORCE MAIN VALVE
	ONE WAY CLEANOUT
	TWO WAY CLEANOUT
	SEWER SERVICE
	WATER SERVICE
	DIRECTION DRILL
	UNDERGROUND SIGNAL
	UNDERGROUND ELECTRICAL AND SIGNAL
	SILT FENCE
	STABILIZED CONSTRUCTION ENTRANCE
	PROJECT DEMARICATION FENCE
	PERMANENT EASEMENT
	TEMPORARY EASEMENT

LIST OF DRAWINGS

SHEET TITLE	SHEET DESCRIPTION	SHEET NO.
TITLE SHEET	G1	1 OF 64
LIST OF SHEETS - LEDGEND	G2	2 OF 64
INDEX OF SHEETS	G3	3 OF 64
WWTF SITE CONTROL BUILDING	C1	4 OF 64
WWTF SITE FIELDS	C2	5 OF 64
STA. 1+00 - 4+50	C3	6 OF 64
STA. 4+50 - 9+50	C4	7 OF 64
STA. 9+50 - 14+50	C5	8 OF 64
STA. 14+50 - 19+50	C6	9 OF 64
STA. 19+50 - 24+50	C7	10 OF 64
STA. 24+50 - 29+50	C8	11 OF 64
STA. 29+50 - 34+50	C9	12 OF 64
STA. 34+50 - 39+50	C10	13 OF 64
STA. 39+50 - 44+50	C11	14 OF 64
STA 44+50 - 49+50	C12	15 OF 64
STA 49+50 - 54+50	C13	16 OF 64
STA 54+50 - 59+50	C14	17 OF 64
STA 59+50 - 64+50	C15	18 OF 64
STA 64+50 - 69+50	C16	19 OF 64
STA 69+50 - 74+50	C17	20 OF 64
STA 74+50 - 79+50	C18	21 OF 64
STA 79+50 - 84+50	C19	22 OF 64
STA 84+50 - 89+50	C20	23 OF 64
STA 89+50 - 94+50	C21	24 OF 64
STA 94+50 - 99+50	C22	25 OF 64
STA 99+50 - 104+50	C23	26 OF 64
STA 104+50 - 109+50	C24	27 OF 64
STA 109+50 - 114+50	C25	28 OF 64
STA 114+50 - 119+50	C26	29 OF 64
STA 119+50 - 124+50	C27	30 OF 64
STA 124+50 - 129+50	C28	31 OF 64
STA 129+50 - 134+50	C29	32 OF 64
STA 134+50 - 139+50	C30	33 OF 64
STA 139+50 - 144+50	C31	34 OF 64
STA 144+50 - 149+50	C32	35 OF 64
STA 149+50 - 154+50	C33	36 OF 64
STA 154+50 - 159+50	C34	37 OF 64
STA 159+50 - 164+50	C35	38 OF 64
SERVICE EXTENSIONS SHEET 1 OF 2	C36	39 OF 64
SERVICE EXTENSIONS SHEET 2 OF 2	C37	40 OF 64
FIDDLERS GREEN BRANCH 1 OF 2	C38	41 OF 64
FIDDLERS GREEN BRANCH 2 OF 2	C39	42 OF 64
IRASVILLE SOUTH BRANCH 1 OF 2	C40	43 OF 64
IRASVILLE SOUTH BRANCH 2 OF 2	C41	44 OF 64
BUTCHER HOUSE DRIVE	C42	45 OF 64
IRASVILLE NORTH BRANCH	C43	46 OF 64
MAD RIVER GREEN BRANCH	C44	47 OF 64
CEMETERY BRANCH	C45	48 OF 64
SLOW ROAD BRANCH BRIDGE STREET SOUTH BRANCH	C46	49 OF 64
FARR LANE BRANCH	C47	50 OF 64
PARSONAGE LANE BRANCH	C48	51 OF 64
BRIDGE STREET NORTH BRANCH	C49	52 OF 64
OLD COUNTY ROAD 1 OF 2	C50	53 OF 64
OLD COUNTY ROAD 2 OF 2	C51	54 OF 64
MAIN PUMP STATION BRANCH	C52	55 OF 64
PARCEL 099181000 P-S	C53	56 OF 64
PARCEL 99142 P-S	C54	57 OF 64
PARCEL 99108 P-S	C55	58 OF 64
PARCEL 99072 P-S	C56	59 OF 64
PARCEL 99052 P-S	C57	60 OF 64
SEWER AND TRENCH DETAILS	C58	61 OF 64
WATER AND TRENCH DETAILS	C59	62 OF 64
JACK AND BORE AND DIRECTIONAL DRILL DETAILS	C60	63 OF 64
EPSC DETAILS	C61	64 OF 64



www.dubois-king.com
© Copyright 2024 DuBois & King inc

**NOT FOR
CONSTRUCTION
60% DESIGN SET**

[illegible]

CLIENT NAME
TOWN OF
WAITSFIELD

PROJECT NAME
WAITSFIELD
COMMUNITY
WASTEWATER
SYSTEM

PROJECT ADDRESS
4144 MAIN STREET
WAITSFIELD, VERMONT 05673

SHEET TITLE

LIST OF SHEETS - LEDGEND

D&K PROJECT #	PROJ. ENG.
227947	JBA
DRAWN BY	CHECKED BY
EBS	NJS

DATE _____

MAY 17, 2025

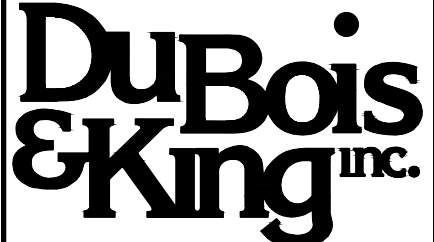
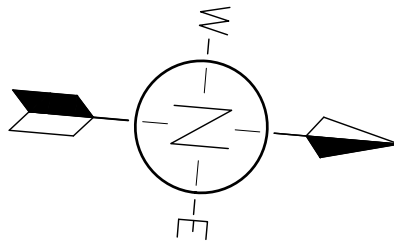
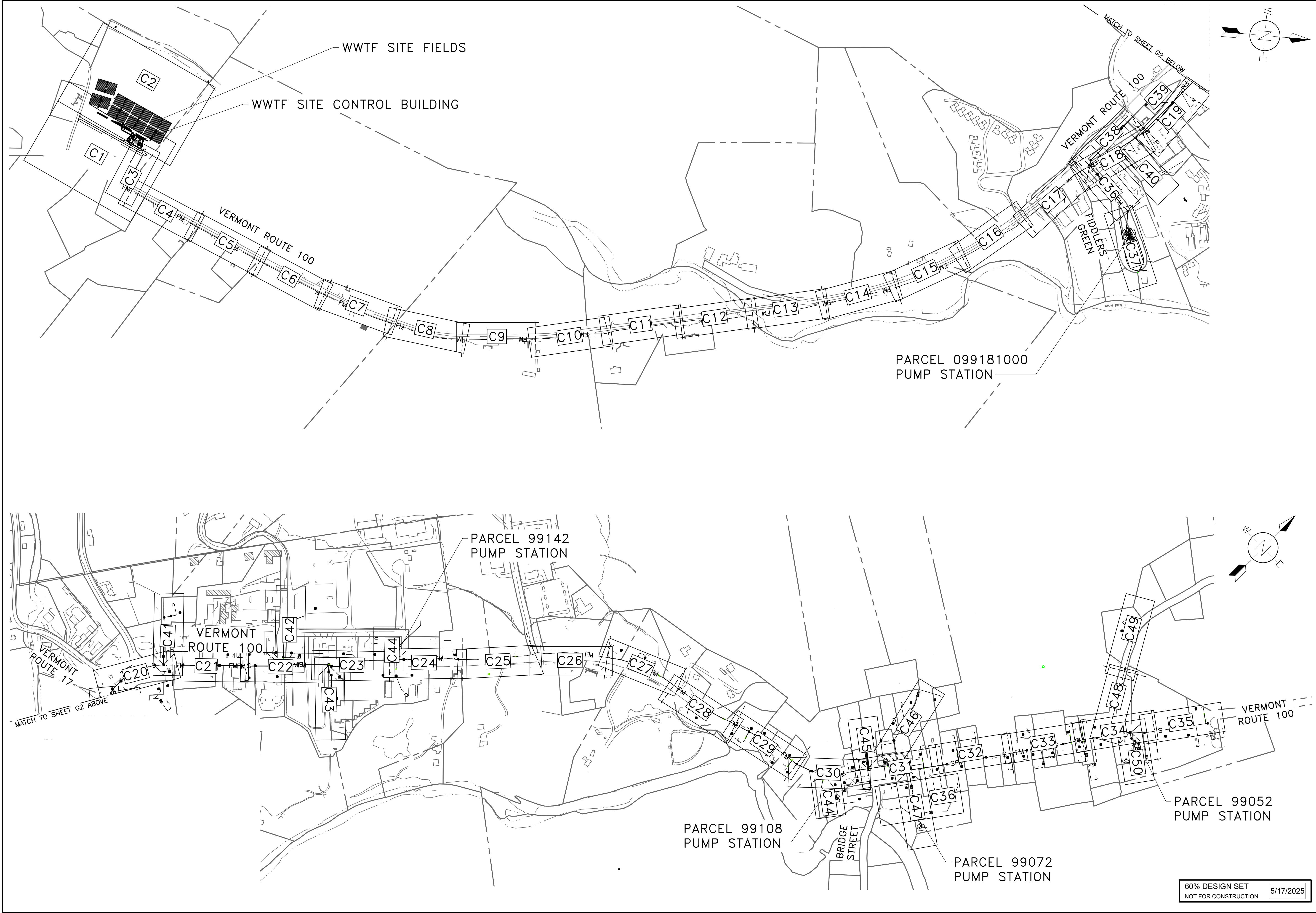
SHEET NUMBER

G2

SHEET: 2 of 64

60% DESIGN SET
NOT FOR CONSTRUCTION

5/17/202



NOT FOR
CONSTRUCTION
60% DESIGN SET

REVISIONS		REVISION DESCRIPTION	DATE	NUMBER
BY				

CLIENT NAME
TOWN OF
WAITSFIELD

PROJECT NAME
WAITSFIELD
COMMUNITY
WASTEWATER
SYSTEM

PROJECT ADDRESS
4144 MAIN STREET
WAITSFIELD, VERMONT 05673

SHEET TITLE

INDEX OF SHEETS

D&K PROJECT # 227947	PROJ. ENG. JBA
DRAWN BY EBS	CHECKED BY NJS

DATE
MAY 17, 2025

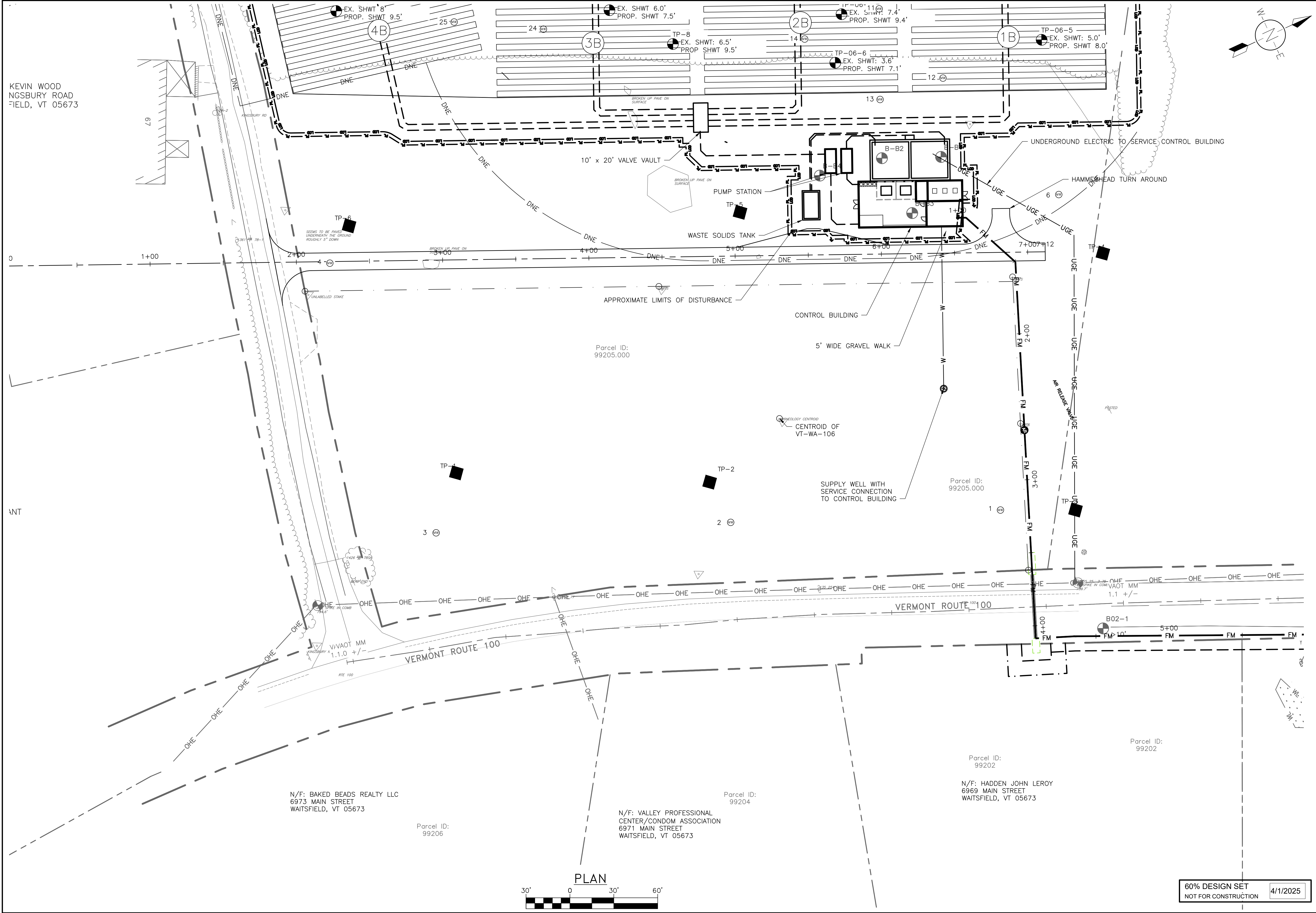
SHEET NUMBER

G3

SHEET: 3 of 64

60% DESIGN SET
NOT FOR CONSTRUCTION
5/17/2025

I:\2\227947 Waitsfield Water and Wastewater Feasibility Study\Drawings\Civil\Sheet Breakouts\227947-sheet index.dwg 5/17/2025 9:26 AM



DuBois & King inc.

www.dubois-king.com

© Copyright 2024 DuBois & King inc.

NOT FOR CONSTRUCTION
60% DESIGN SET

REVISIONS	
NUMBER	DATE

CLIENT NAME
TOWN OF
WAITSFIELD

PROJECT NAME
WAITSFIELD
COMMUNITY
WASTEWATER
SYSTEM

PROJECT ADDRESS
4144 MAIN STREET
WAITSFIELD, VERMONT 05673

SHEET TITLE
PLAN AND PROFILE

WWTF SITE
CONTROL BUILDING

D&K PROJECT #	PROJ. ENG.
227947	JBA
DRAWN BY	CHECKED BY
EBS	NJS

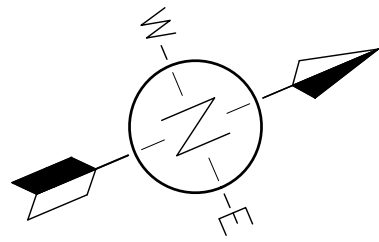
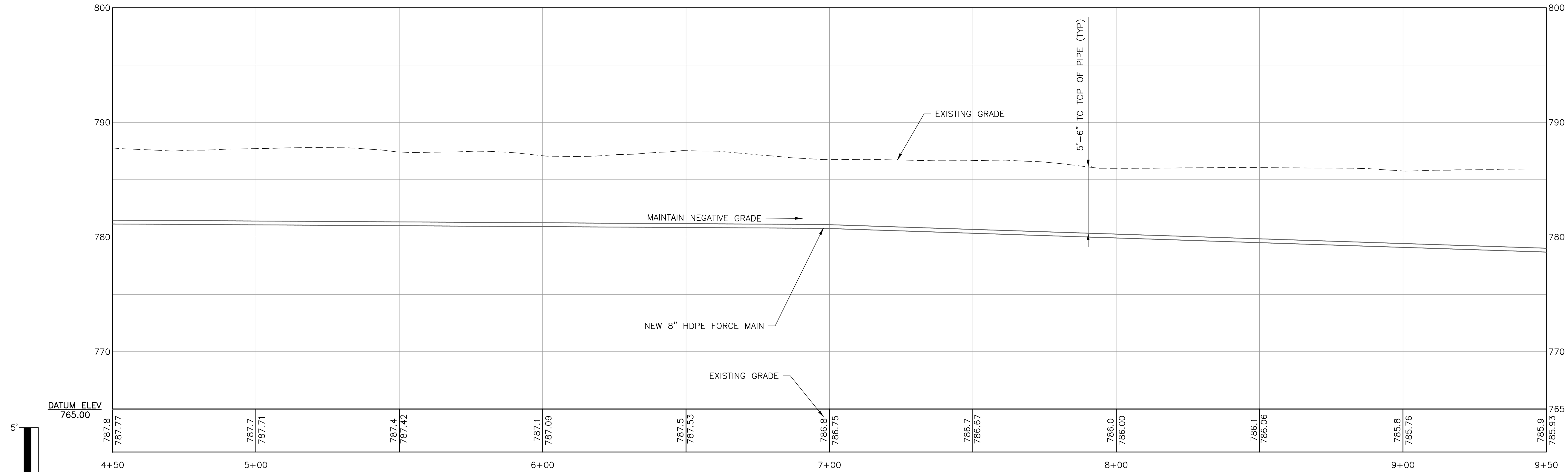
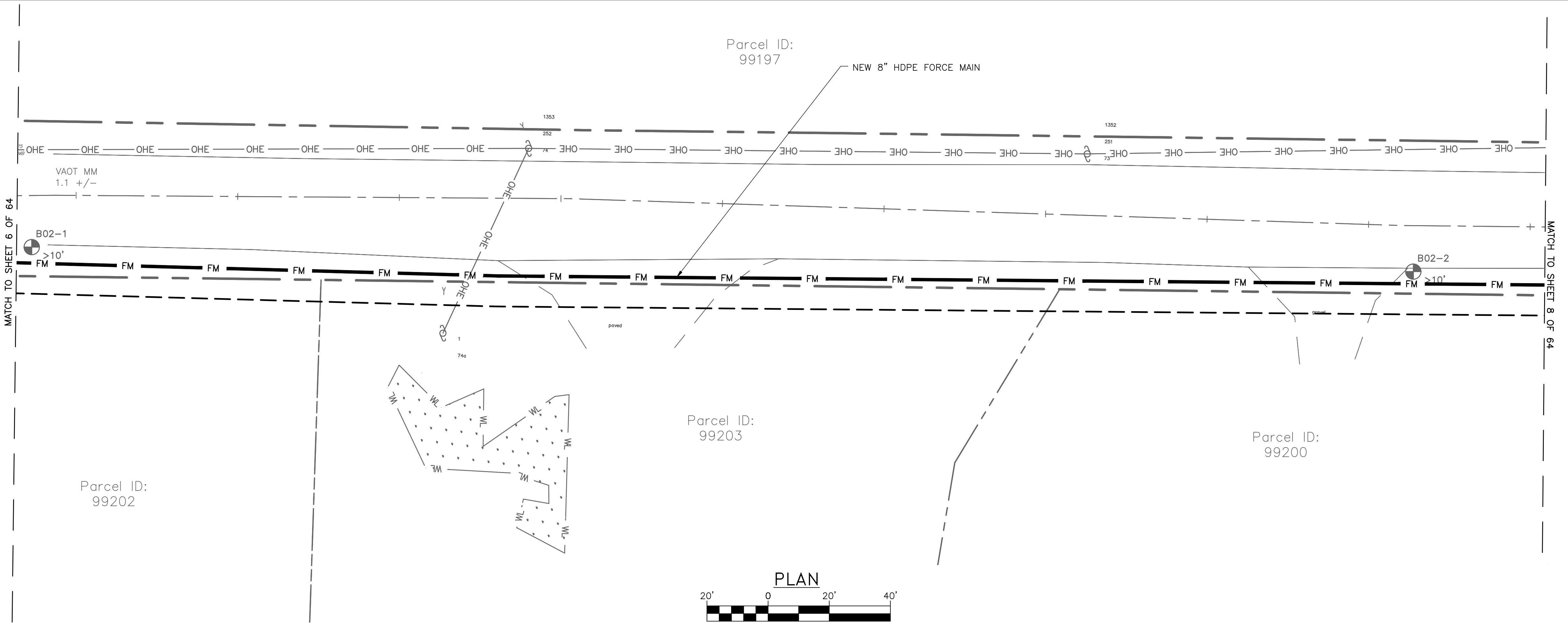
DATE
APRIL 1, 2025

SHEET NUMBER

C1

SHEET: 4 of 64

I:\2\227947 Waitsfield Water and Wastewater Feasibility Stud\Drawings\Civil\Sheet Breakouts\227947-BDS-1-10.dwg 5/17/2025 9:29 AM



DuBois & King inc.
www.dubois-king.com
© Copyright 2024 DuBois & King inc.

**NOT FOR
CONSTRUCTION
60% DESIGN SET**

REVISIONS		REVISION DESCRIPTION	DATE	NUMBER	BY

CLIENT NAME
TOWN OF
WAITSFIELD

PROJECT NAME
**WAITSFIELD
COMMUNITY
WASTEWATER
SYSTEM**
PROJECT ADDRESS
4144 MAIN STREET
WAITSFIELD, VERMONT 05673

SHEET TITLE

PLAN AND PROFILE

STA. 4+50 - 9+50

D&K PROJECT # 227947	PROJ. ENG. JBA
DRAWN BY EBS	CHECKED BY NJS

DATE
MAY 16, 2025

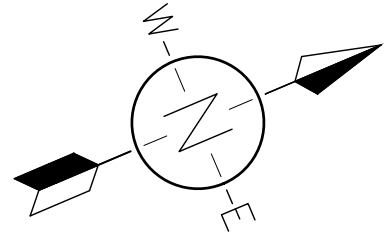
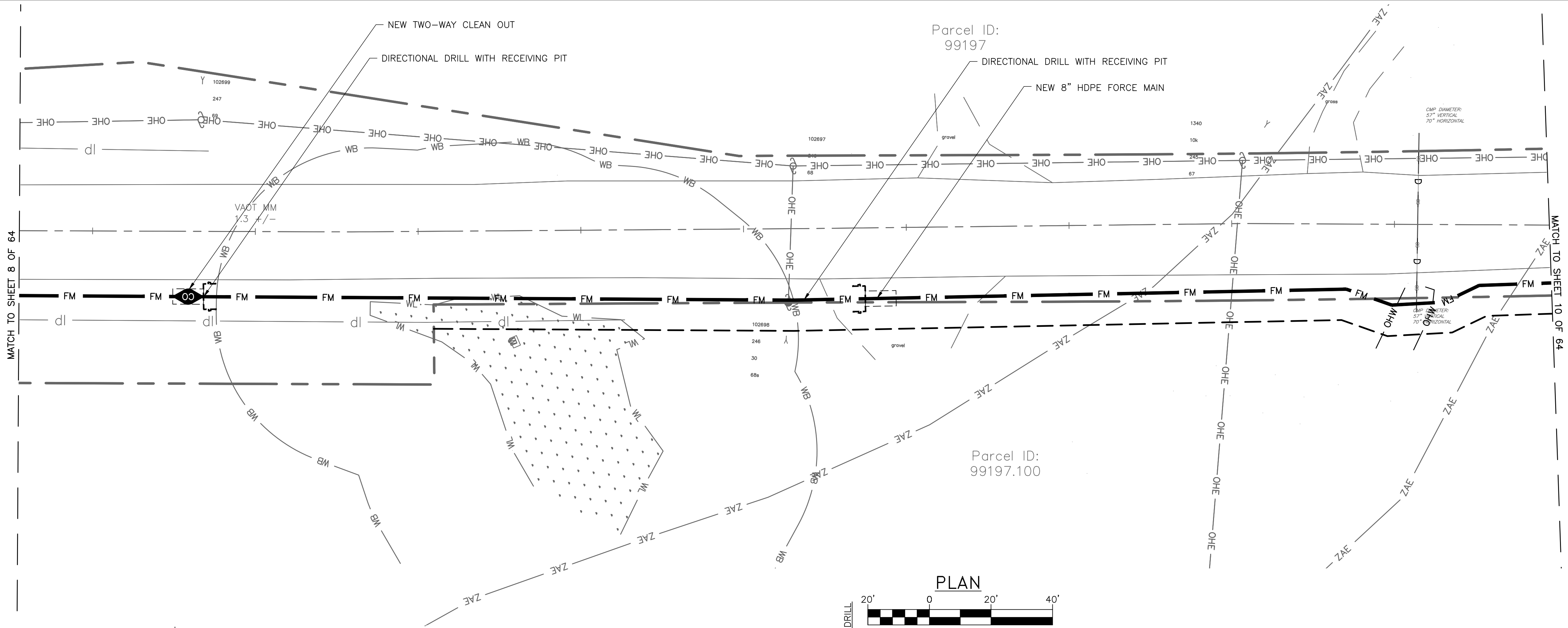
SHEET NUMBER

C4

SHEET: 7 of 64

60% DESIGN SET
NOT FOR CONSTRUCTION
5/16/2025

I:\2\227947 Waitsfield Water and Wastewater Feasibility Stud\Drawings\Civil Sheet Breakouts\227947-BDS-1-10.dwg 5/17/2025 9:30 AM



DuBois & King inc.
www.dubois-king.com
© Copyright 2024 DuBois & King inc.

**NOT FOR
CONSTRUCTION
60% DESIGN SET**

REVISIONS		REVISION DESCRIPTION	DATE	BY

CLIENT NAME
TOWN OF
WAITSFIELD

PROJECT NAME
**WAITSFIELD
COMMUNITY
WASTEWATER
SYSTEM**

PROJECT ADDRESS
4144 MAIN STREET
WAITSFIELD, VERMONT 05673

SHEET TITLE

PLAN AND PROFILE
STA. 14+50 - 19+50

D&K PROJECT # 227947	PROJ. ENG. JBA
-------------------------	-------------------

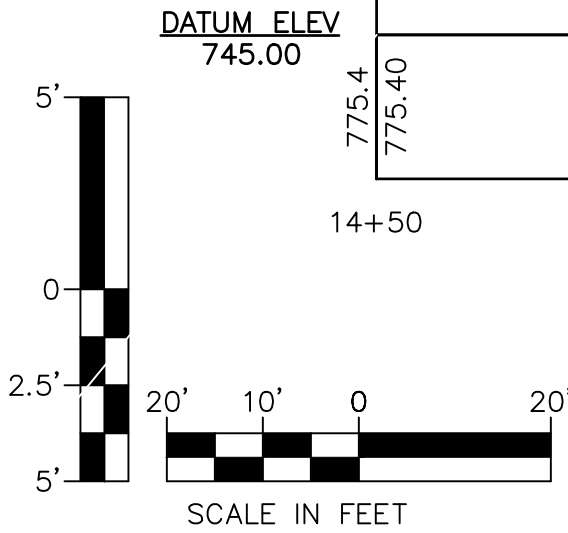
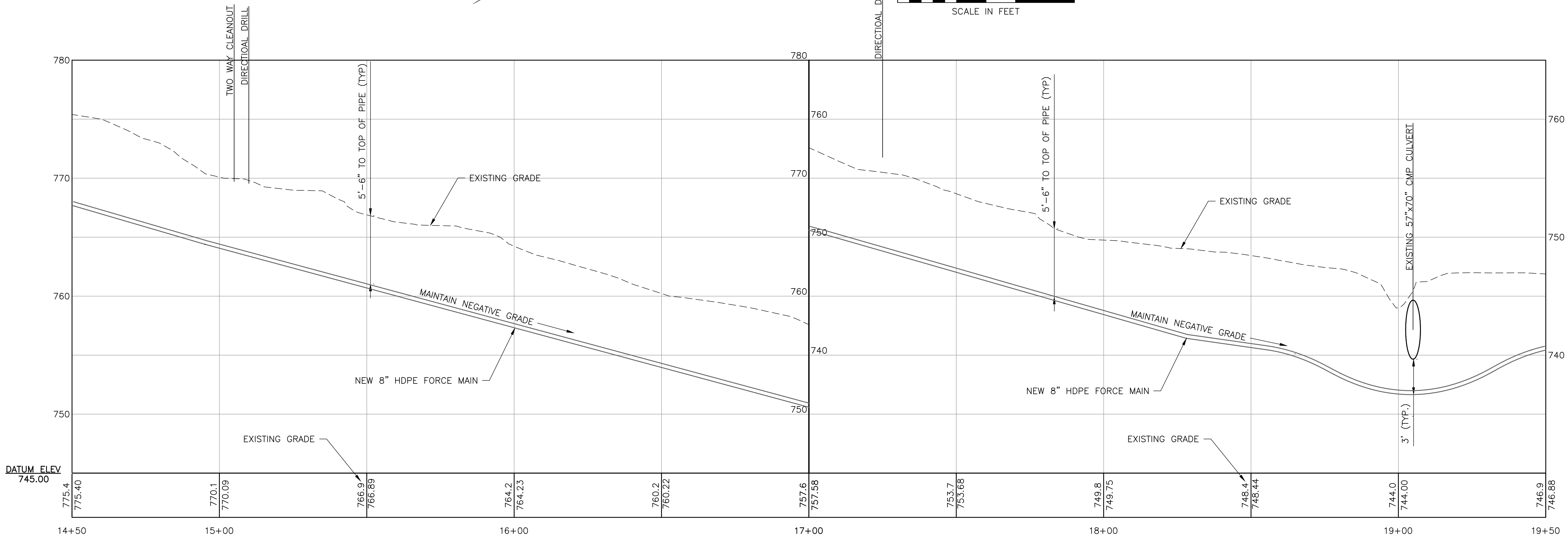
DRAWN BY EBS	CHECKED BY NJS
-----------------	-------------------

DATE MAY 16, 2025

SHEET NUMBER

C6

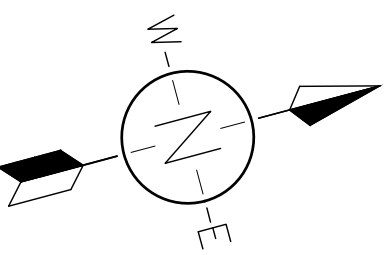
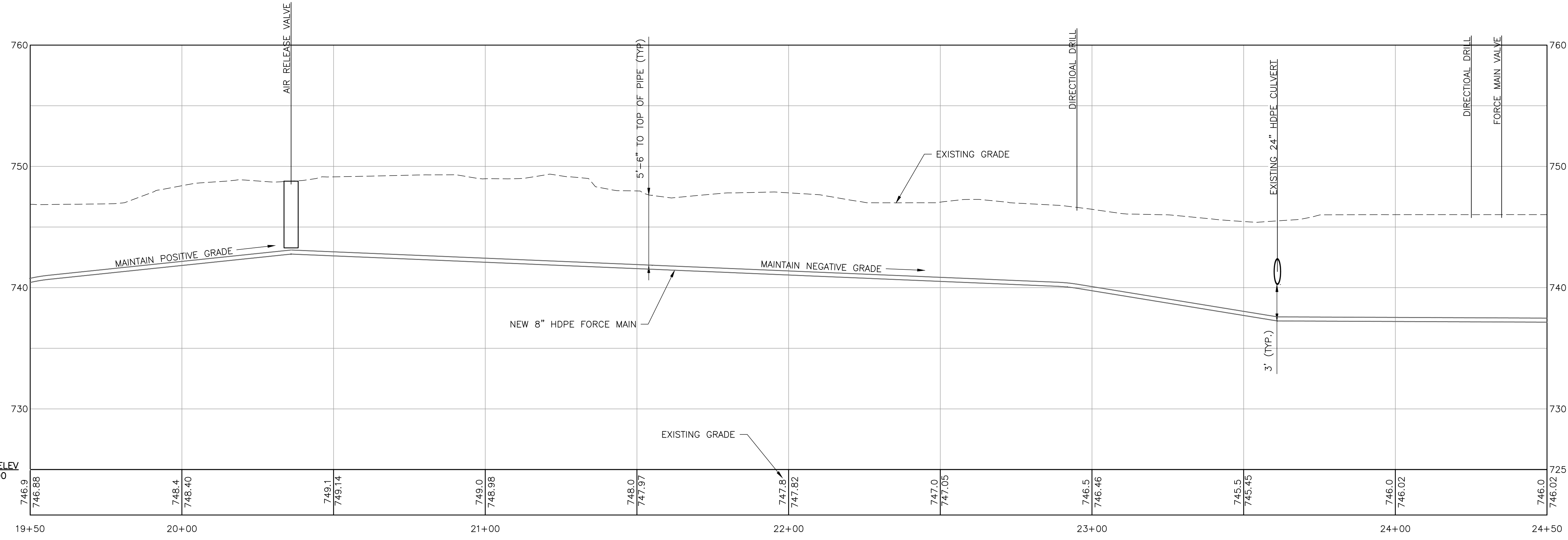
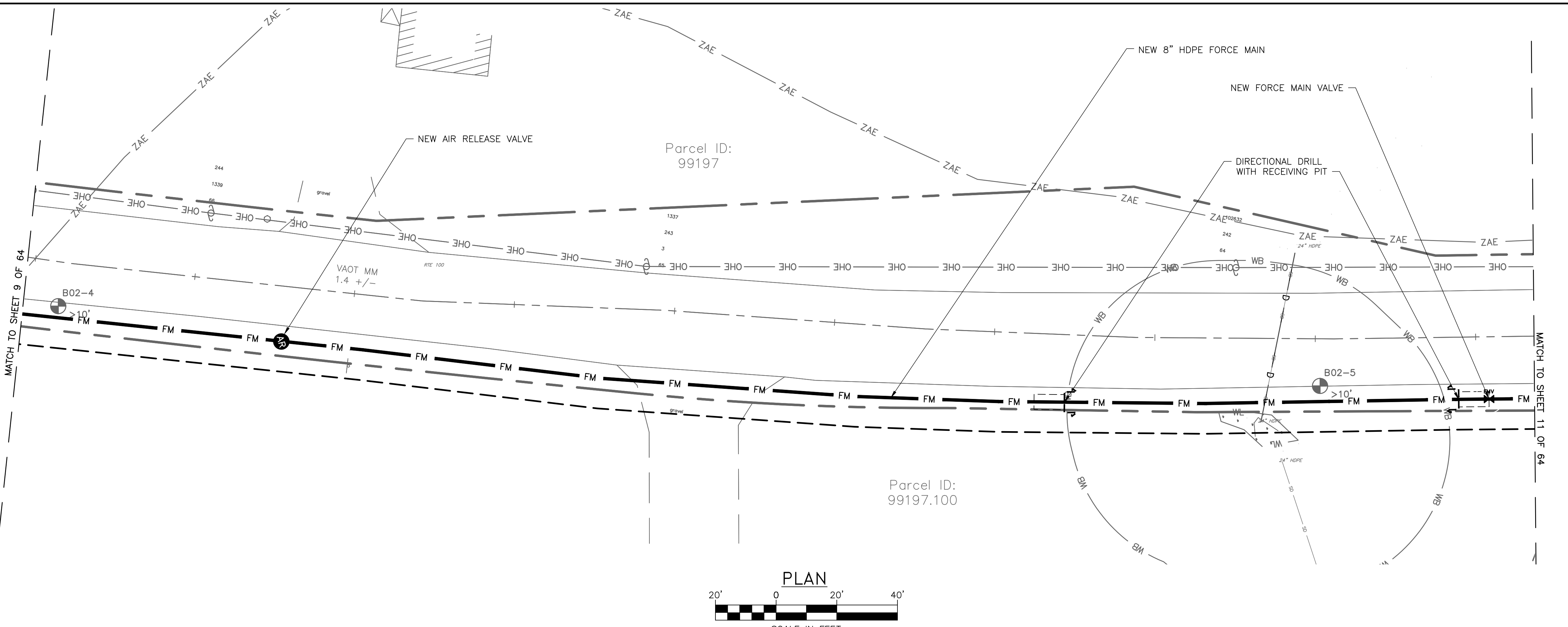
SHEET: 9 of 64



PROFILE

60% DESIGN SET
NOT FOR CONSTRUCTION
5/16/2025

I:\2\227947 Waitsfield Water and Wastewater Feasibility Stud\Drawings\Civil\Sheet Breakouts\227947-B05-1-10.dwg 5/17/2025 9:31 AM



DuBois & King inc.
www.dubois-king.com
© Copyright 2024 DuBois & King inc.

**NOT FOR CONSTRUCTION
60% DESIGN SET**

REVISIONS		BY					
REVISION DESCRIPTION							
NUMBER	DATE						

CLIENT NAME
TOWN OF
WAITSFIELD

PROJECT NAME
WAITSFIELD
COMMUNITY
WASTEWATER
SYSTEM
PROJECT ADDRESS
4144 MAIN STREET
WAITSFIELD, VERMONT 05673

SHEET TITLE
PLAN AND PROFILE
STA. 19+50 - 24+50

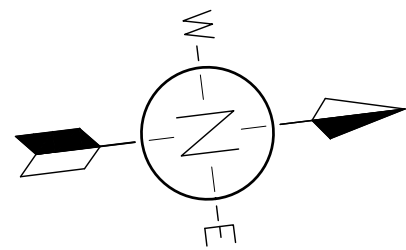
D&K PROJECT # 227947	PROJ. ENG. JBA
DRAWN BY EBS	CHECKED BY NJS

DATE
MAY 16, 2025

SHEET NUMBER
C7
SHEET: 10 of 64

60% DESIGN SET
NOT FOR CONSTRUCTION
5/16/2025

I:\2\227947 Waitsfield Water and Wastewater Feasibility Stud\Drawings\Civil\Sheet Breakouts\227947-BDS-1-10.dwg 5/17/2025 9:31 AM



**NOT FOR
CONSTRUCTION
60% DESIGN SET**

REVISIONS		REVISION DESCRIPTION	DATE	NUMBER
	BY			

CLIENT NAME
TOWN OF
WAITSFIELD

PROJECT NAME
**WAITSFIELD
COMMUNITY
WASTEWATER
SYSTEM**
PROJECT ADDRESS
4144 MAIN STREET
WAITSFIELD, VERMONT 05673

SHEET TITLE

PLAN AND PROFILE

STA. 24+50 - 29+50

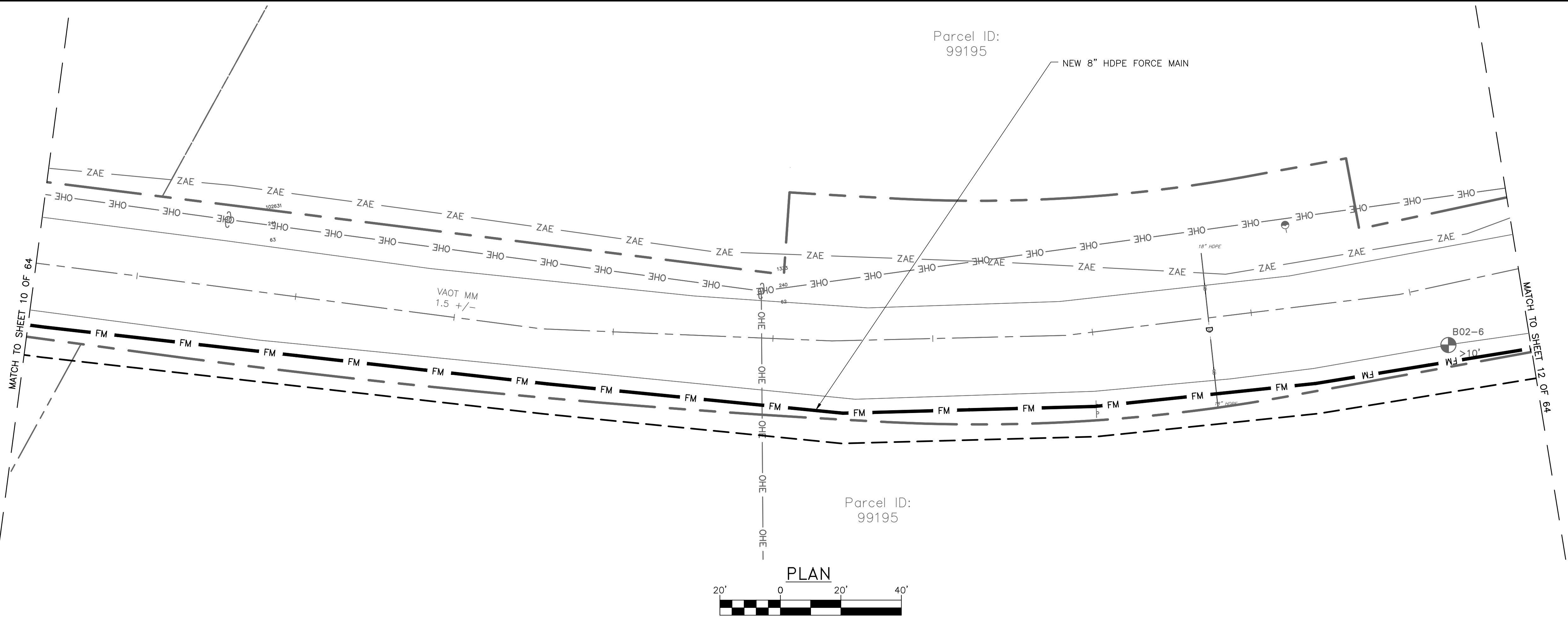
D&K PROJECT # 227947	PROJ. ENG. JBA
DRAWN BY EBS	CHECKED BY NJS

DATE
MAY 16, 2025

SHEET NUMBER

C8

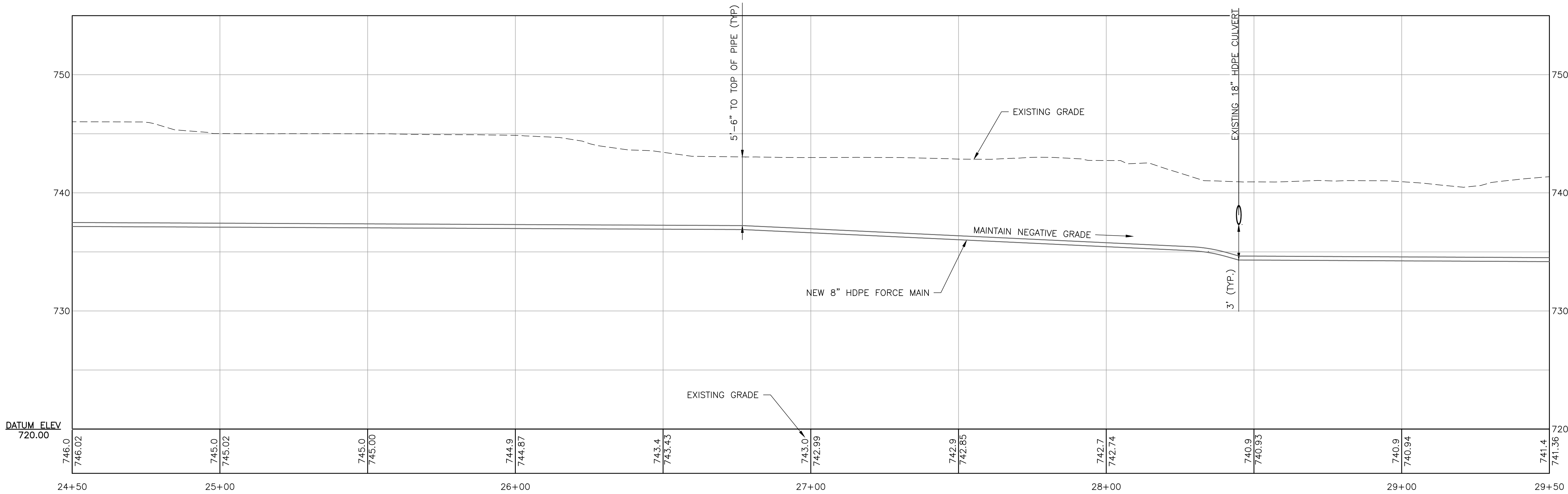
SHEET: 11 of 64



PLAN



PROFILE



DATUM ELEV
720.00

EXISTING GRADE

MAINTAIN NEGATIVE GRADE

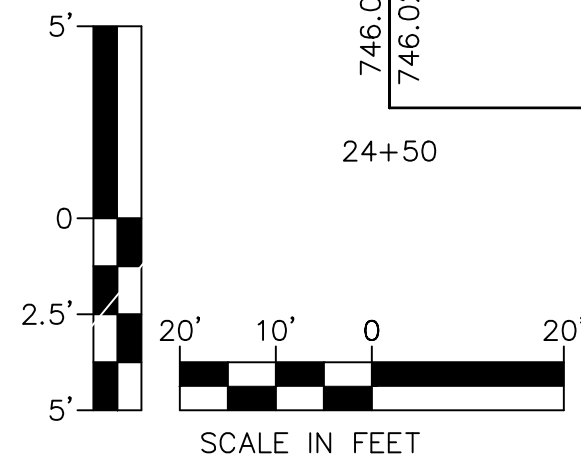
NEW 8" HDPE FORCE MAIN

EXISTING GRADE

EXISTING 18" HDPE CULVERT

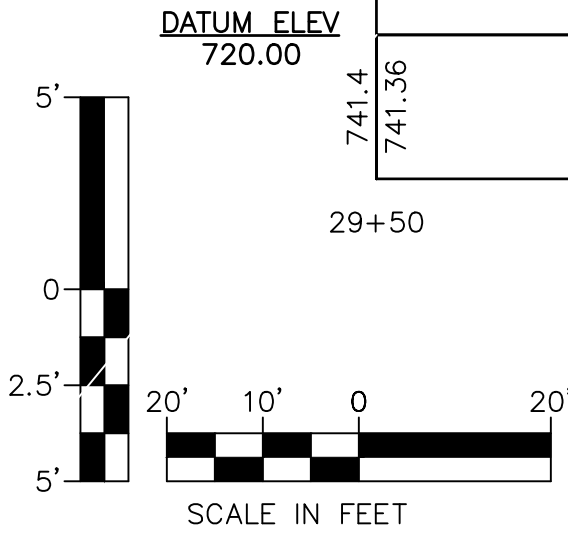
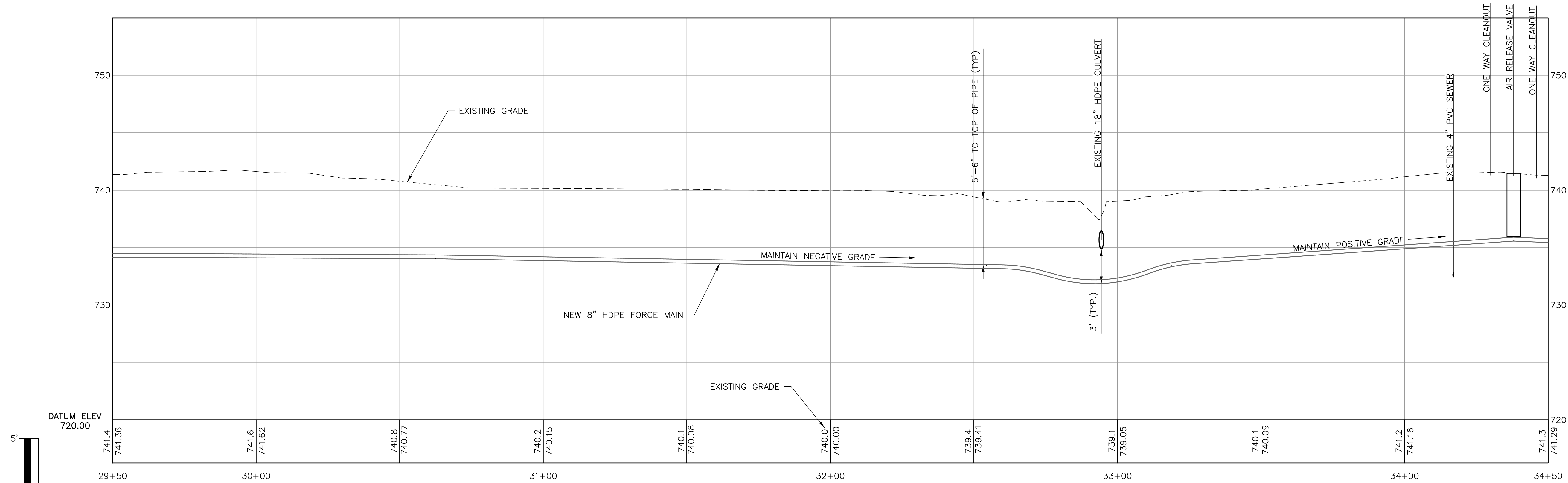
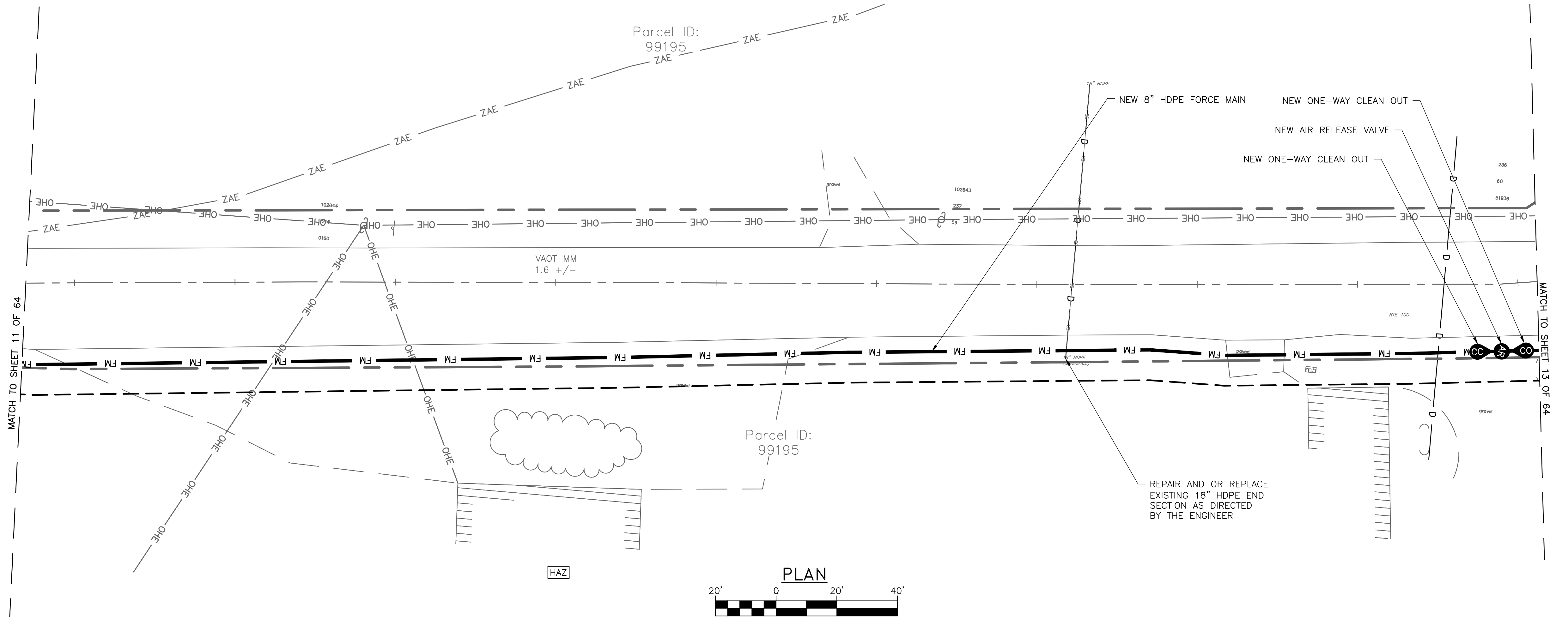
5'-6" TO TOP OF PIPE (TYP)

3' (TYP.)



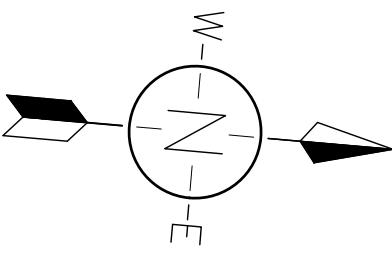
60% DESIGN SET
NOT FOR CONSTRUCTION
5/16/2025

I:\2\227947 Waitsfield Water and Wastewater Feasibility Stud\Drawings\Civil\Sheet Breakouts\227947-BDS-1-10.dwg 5/17/2025 9:32 AM



PROFILE

60% DESIGN SET
NOT FOR CONSTRUCTION
5/16/2025



DuBois & King inc.
www.dubois-king.com
© Copyright 2024 DuBois & King inc.

**NOT FOR
CONSTRUCTION
60% DESIGN SET**

REVISIONS	BY				
	REVISION DESCRIPTION				
	NUMBER	DATE			

CLIENT NAME
TOWN OF
WAITSFIELD

PROJECT NAME
**WAITSFIELD
COMMUNITY
WASTEWATER
SYSTEM**
PROJECT ADDRESS
4144 MAIN STREET
WAITSFIELD, VERMONT 05673

SHEET TITLE

PLAN AND PROFILE

STA. 29+50 - 34+50

D&K PROJECT # 227947	PROJ. ENG. JBA
DRAWN BY EBS	CHECKED BY NJS

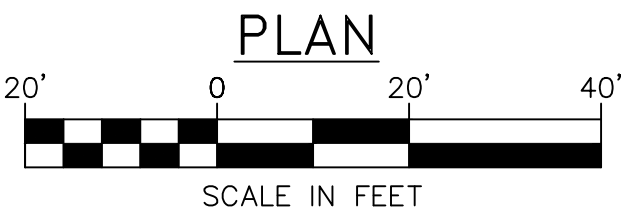
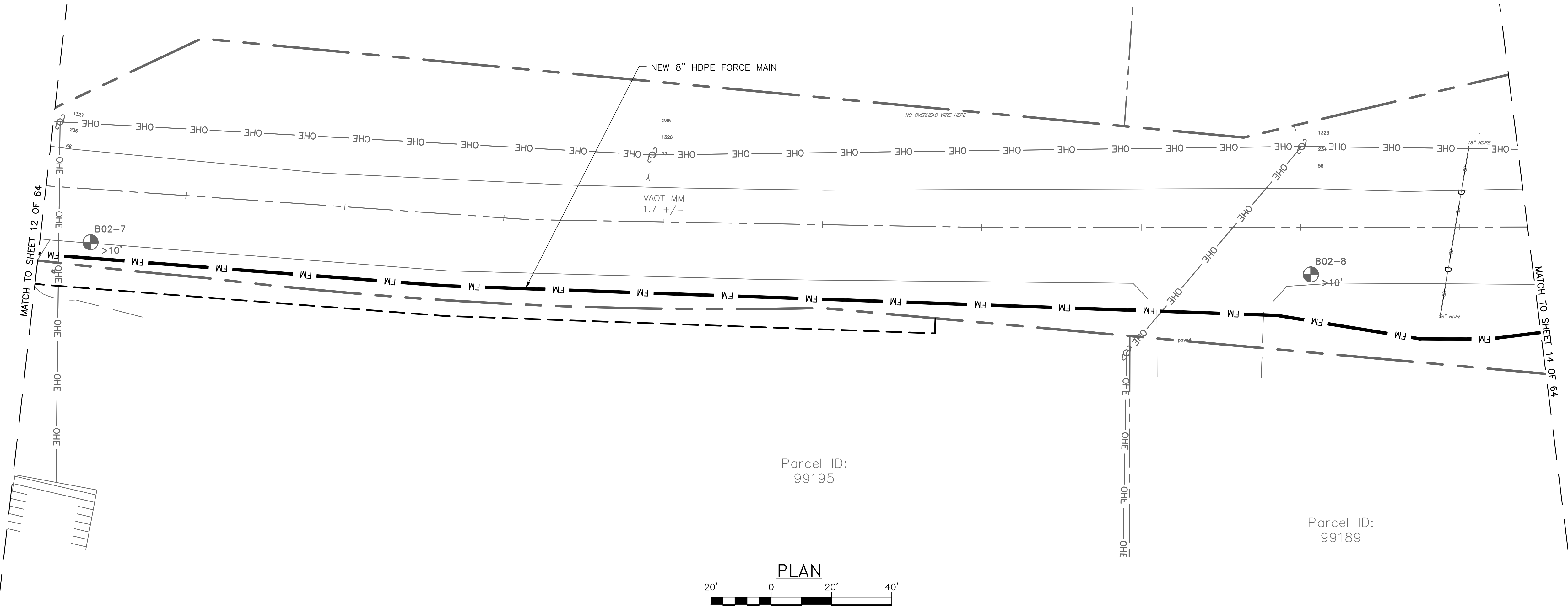
DATE
MAY 16, 2025

SHEET NUMBER

C9

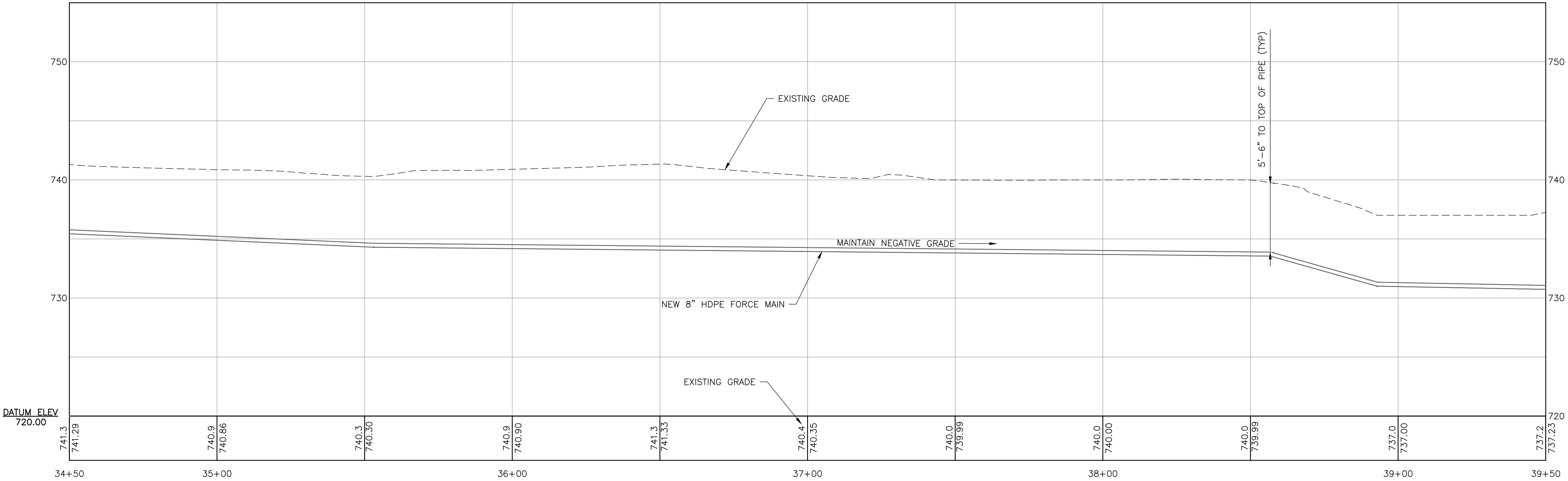
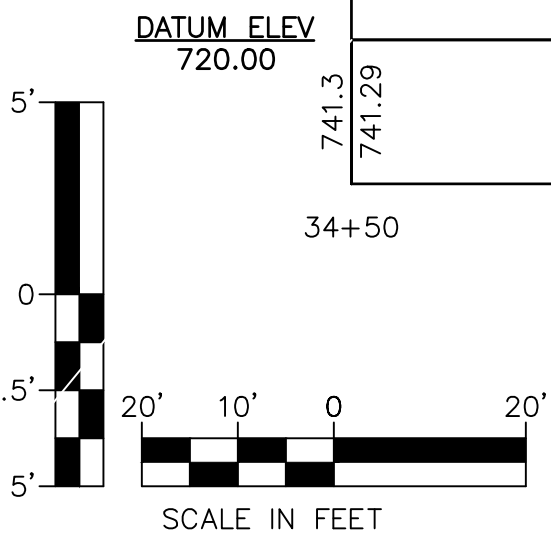
SHEET: 12 of 64

I:\2\227947 Waitsfield Water and Wastewater Feasibility Stud\Drawings\Civil\Sheet Breakouts\227947-B05-1-10.dwg 5/17/2025 9:32 AM



Parcel ID:
99195

Parcel ID:
99189



PROFILE

60% DESIGN SET
NOT FOR CONSTRUCTION

5/16/2025

DuBois & King inc.

www.dubois-king.com
© Copyright 2024 DuBois & King inc.

NOT FOR
CONSTRUCTION
60% DESIGN SET

REVISIONS		REVISION DESCRIPTION	DATE	NUMBER	BY

CLIENT NAME
TOWN OF
WAITSFIELD

PROJECT NAME
WAITSFIELD
COMMUNITY
WASTEWATER
SYSTEM
PROJECT ADDRESS
4144 MAIN STREET
WAITSFIELD, VERMONT 05673

SHEET TITLE

PLAN AND PROFILE

STA. 34+50 - 39+50

D&K PROJECT # 227947	PROJ. ENG. JBA
DRAWN BY EBS	CHECKED BY NJS

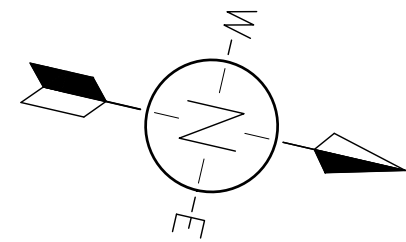
DATE
MAY 16, 2025

SHEET NUMBER

C10

SHEET: 13 of 64

I:\2\227947 Waitsfield Water and Wastewater Feasibility Stud\Drawings\Civil\Sheet Breakouts\227947-BD05-1-10.dwg 5/17/2025 9:33 AM



DuBois & King inc.

www.dubois-king.com
© Copyright 2024 DuBois & King inc.

NOT FOR
CONSTRUCTION
60% DESIGN SET

REVISIONS		REVISION DESCRIPTION	DATE	NUMBER	BY

CLIENT NAME
TOWN OF
WAITSFIELD

PROJECT NAME
WAITSFIELD
COMMUNITY
WASTEWATER
SYSTEM
PROJECT ADDRESS
4144 MAIN STREET
WAITSFIELD, VERMONT 05673

SHEET TITLE

PLAN AND PROFILE

STA. 39+50 - 44+50

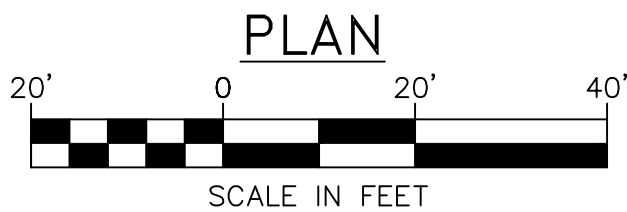
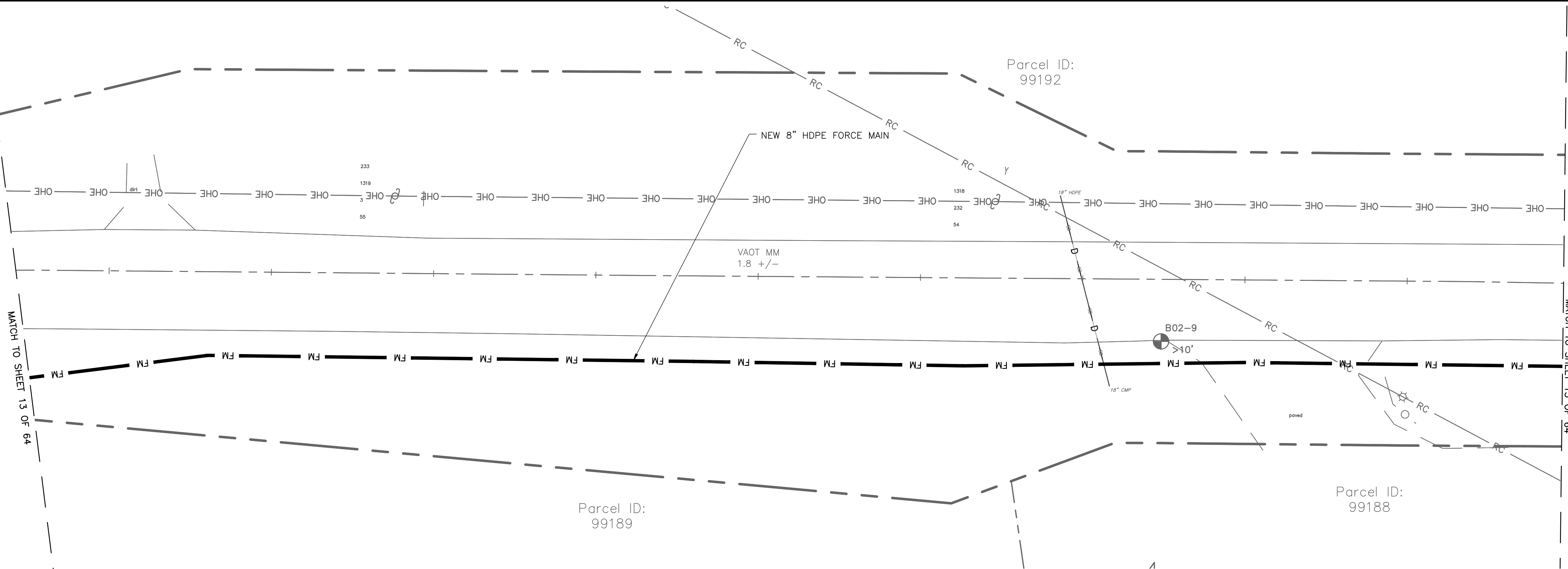
D&K PROJECT # 227947	PROJ. ENG. JBA
DRAWN BY EBS	CHECKED BY NJS

DATE
MAY 16, 2025

SHEET NUMBER

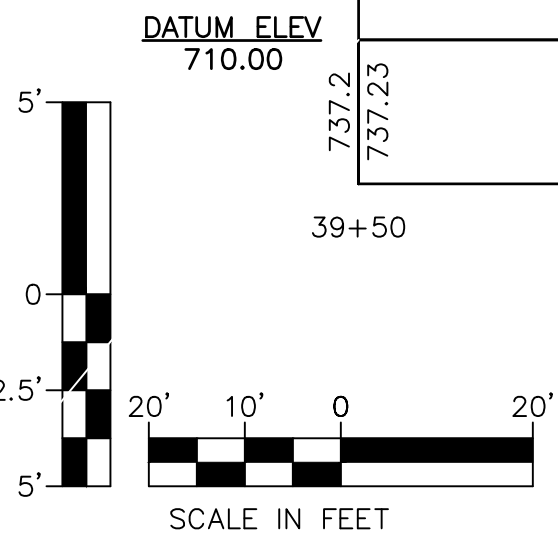
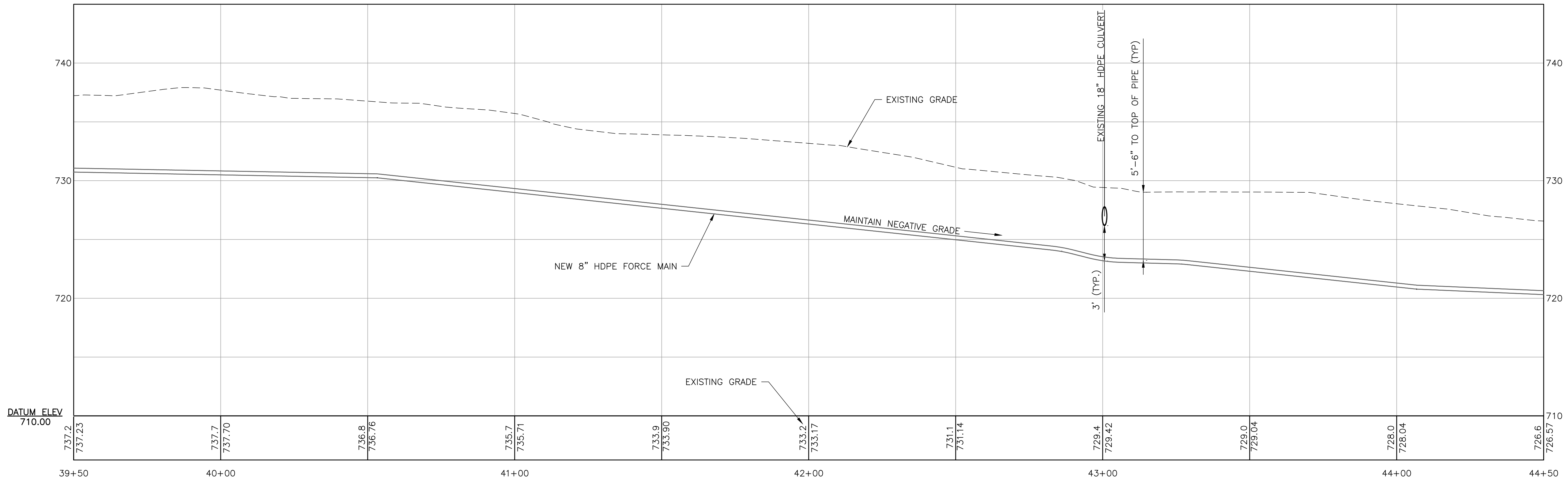
C11

SHEET: 14 of 64



PLAN

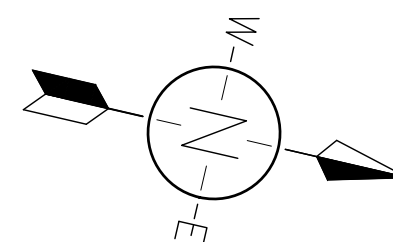
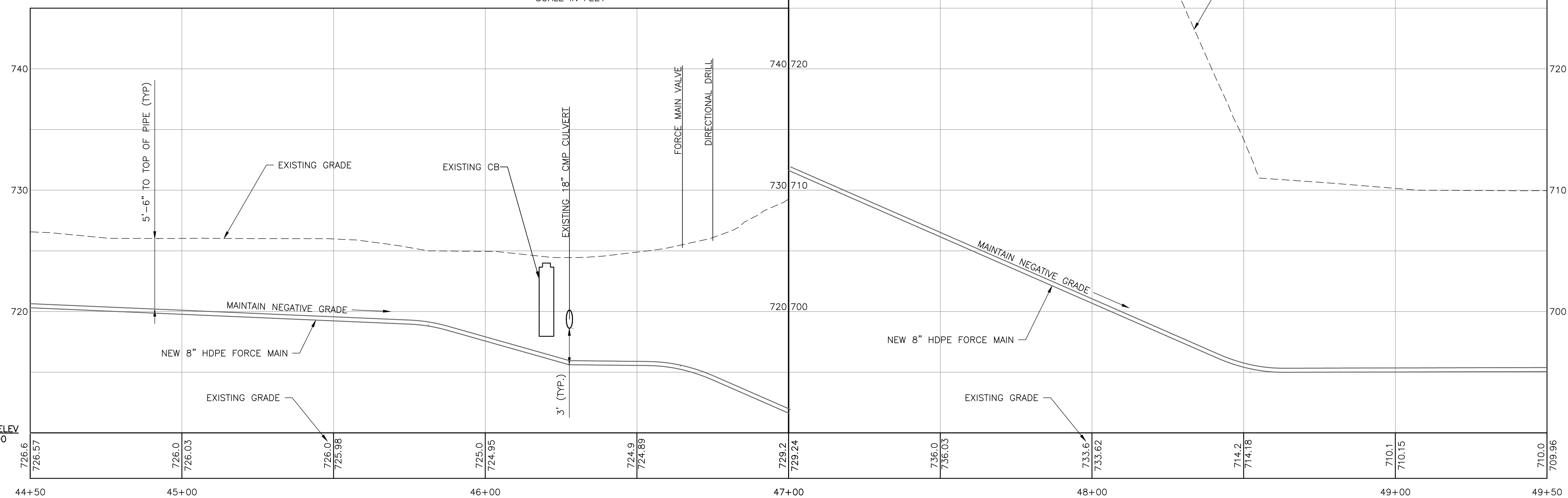
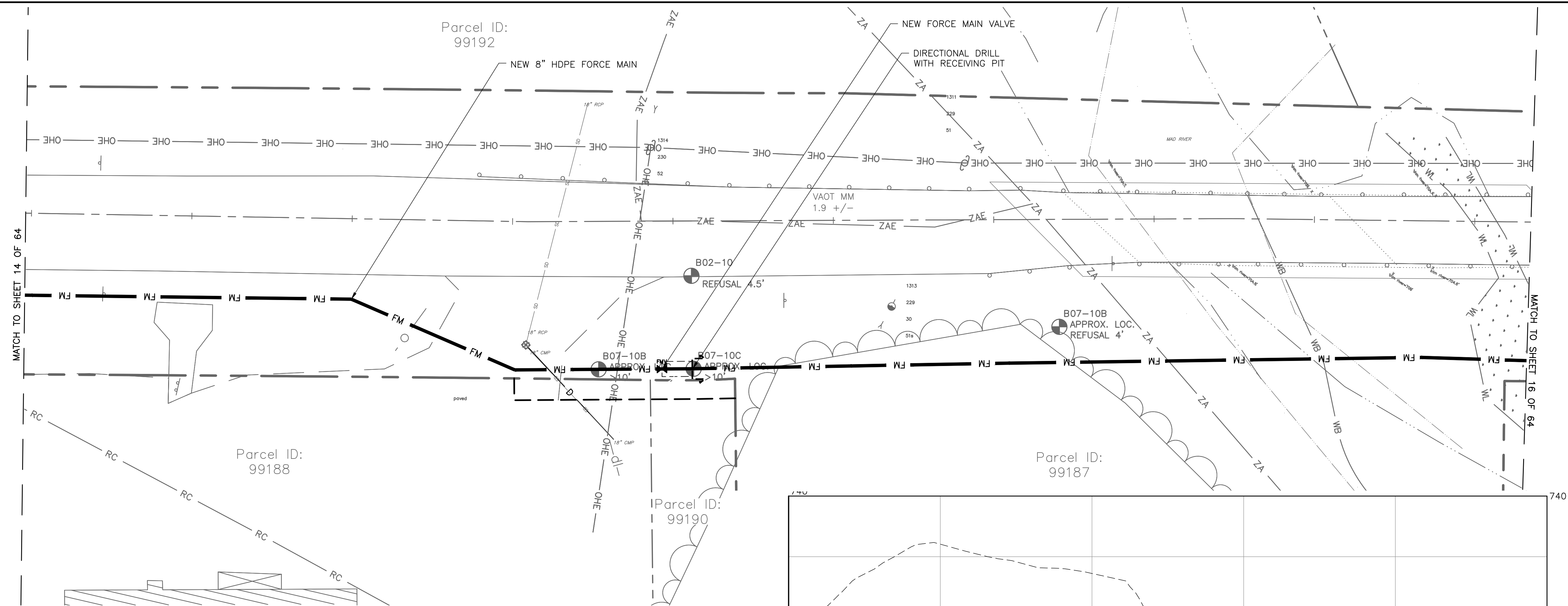
SCALE IN FEET



PROFILE

60% DESIGN SET
NOT FOR CONSTRUCTION

5/16/2025



**DuBois
& King inc.**

www.dubois-king.com
© Copyright 2024 DuBois & King inc

**NOT FOR
CONSTRUCTION
60% DESIGN SET**

[illegible]

CLIENT NAME
TOWN OF
WAITSFIELD

PROJECT NAME
WAITSFIELD
COMMUNITY
WASTEWATER
SYSTEM

PROJECT ADDRESS
4144 MAIN STREET
WAITSFIELD, VERMONT 05673

SHEET TITLE	
-------------	--

PLAN AND PROFILE

STA 44+50 - 49+50

D&K PROJECT # 227947	PROJ. ENG. JBA
DRAWN BY EBS	CHECKED BY NJS

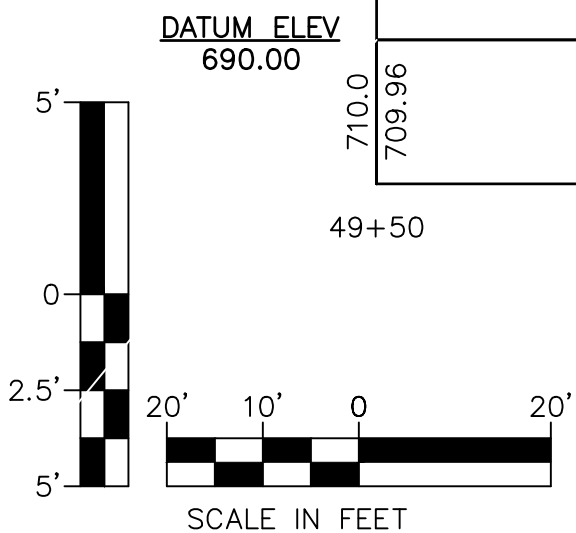
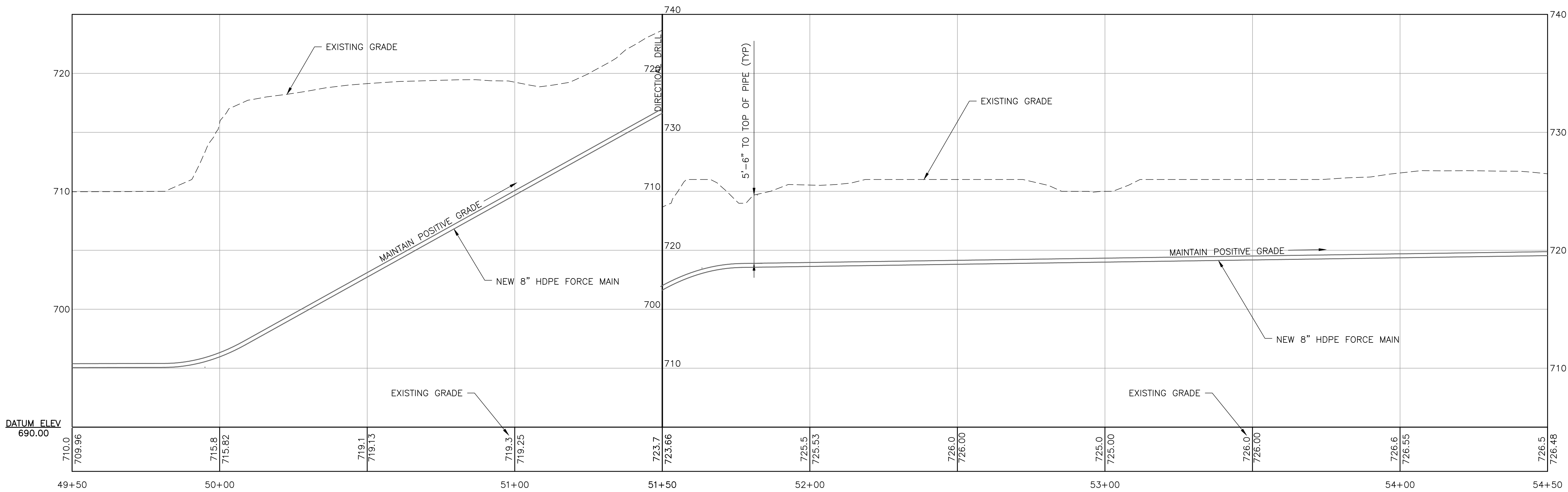
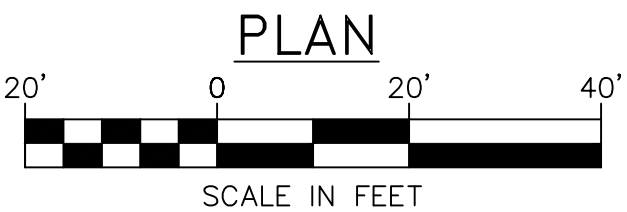
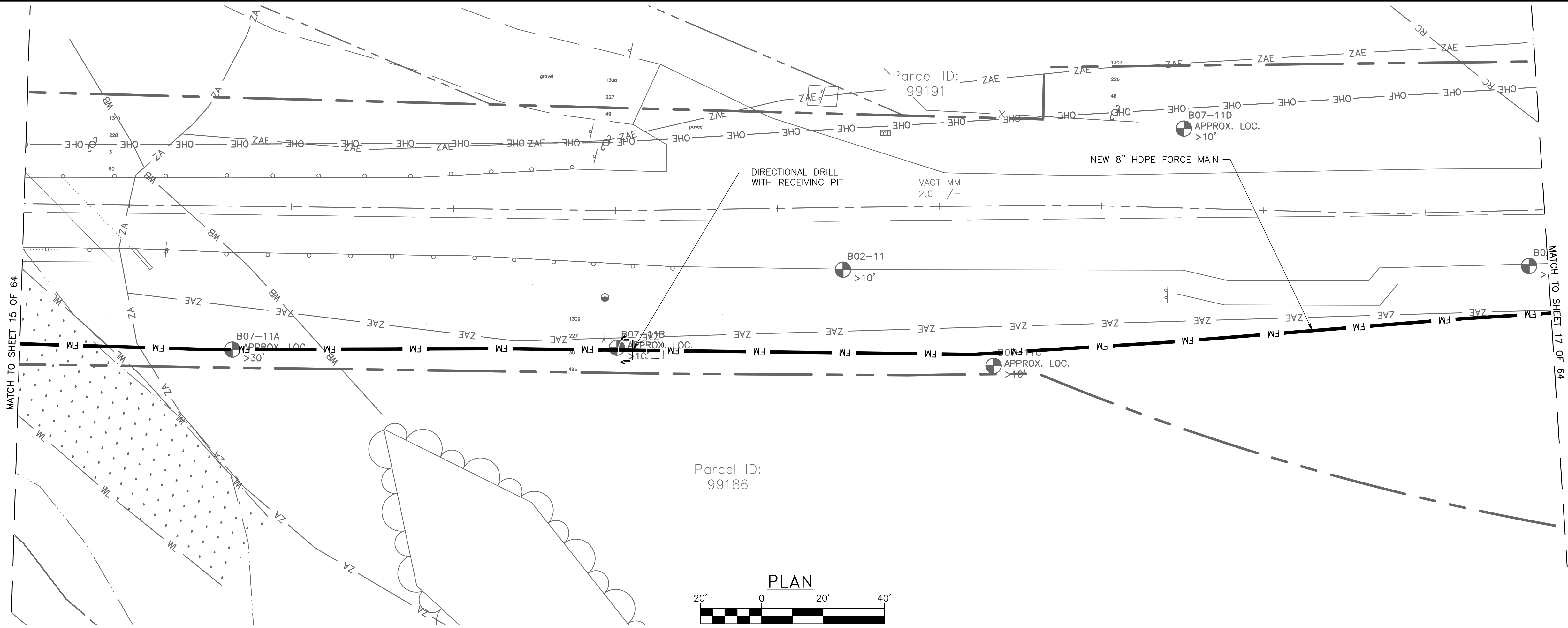
DATE MAY 16, 2025

SHEET NUMBER

C12

SHEET: 15 of 64

I:\2\227947 Waitsfield Water and Wastewater Feasibility Stud\Drawings\Civil\Sheet Breakouts\227947-B05-10-20.dwg 5/17/2025 9:35 AM



PROFILE

60% DESIGN SET
NOT FOR CONSTRUCTION

5/17/2025

DuBois & King inc.

www.dubois-king.com
© Copyright 2024 DuBois & King inc.

NOT FOR
CONSTRUCTION
60% DESIGN SET

REVISIONS		BY	DATE	NUMBER
REVISION DESCRIPTION				

CLIENT NAME
TOWN OF
WAITSFIELD

PROJECT NAME
WAITSFIELD
COMMUNITY
WASTEWATER
SYSTEM
PROJECT ADDRESS
4144 MAIN STREET
WAITSFIELD, VERMONT 05673

SHEET TITLE
PLAN AND PROFILE
STA 49+50 - 54+50

D&K PROJECT # 227947	PROJ. ENG. JBA
DRAWN BY EBS	CHECKED BY NJS

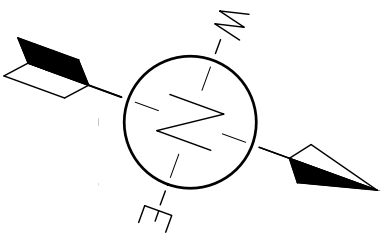
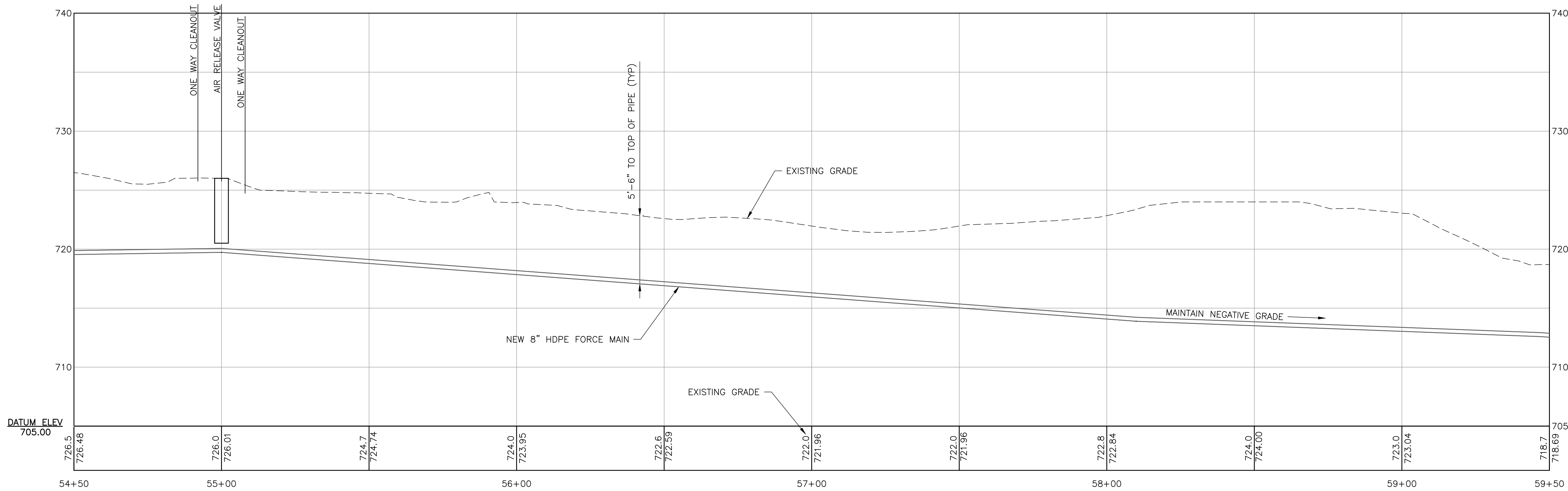
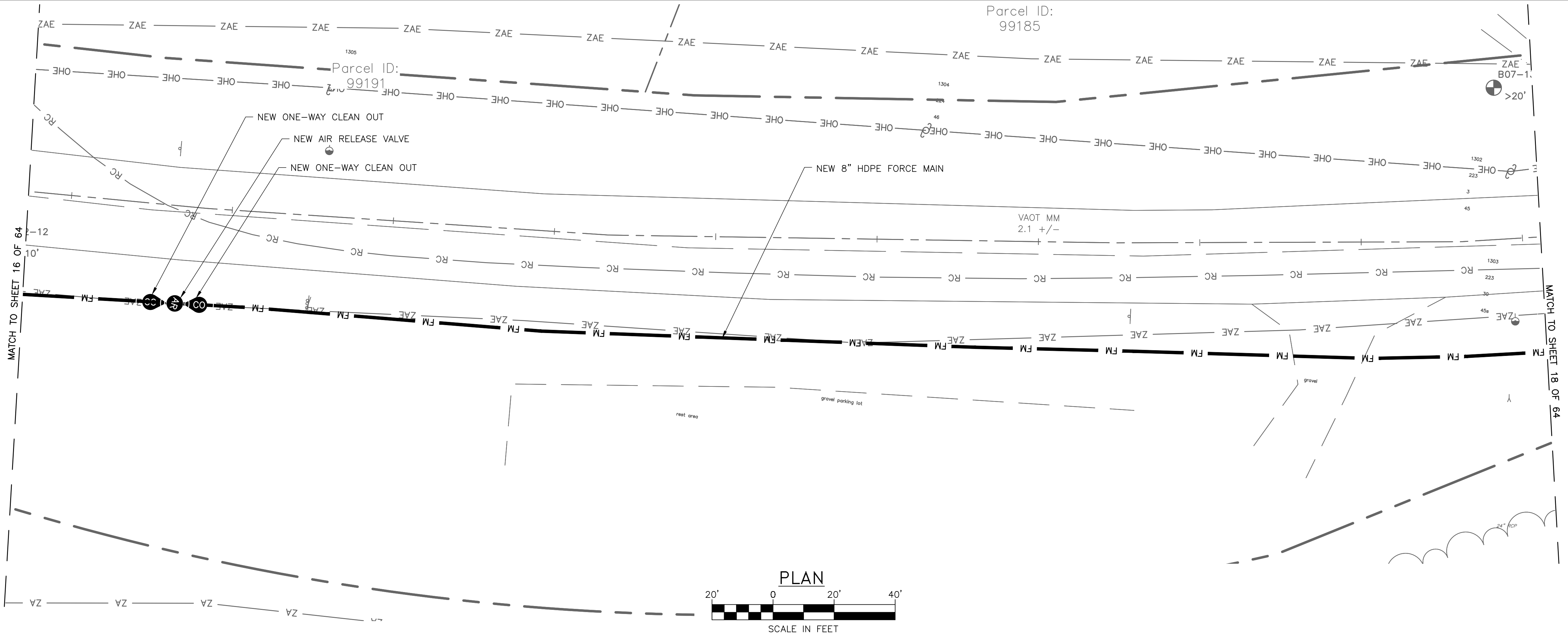
DATE
MAY 17, 2025

SHEET NUMBER

C13

SHEET: 16 of 64

I:\2\227947 Waitsfield Water and Wastewater Feasibility Stud\Drawings\Civil\Sheet Breakouts\227947-BDE-10-20.dwg 5/17/2025 9:36 AM



DuBois & King inc.

www.dubois-king.com
© Copyright 2024 DuBois & King inc.

**NOT FOR
CONSTRUCTION
60% DESIGN SET**

REVISIONS	BY					
	REVISION DESCRIPTION					
	NUMBER	DATE				

CLIENT NAME
TOWN OF
WAITSFIELD

PROJECT NAME
WAITSFIELD
COMMUNITY
WASTEWATER
SYSTEM

PROJECT ADDRESS
4144 MAIN STREET
WAITSFIELD, VERMONT 05673

SHEET TITLE

PLAN AND PROFILE
STA 54+50 - 59+50

D&K PROJECT # 227947
PROJ. ENG. JBA

DRAWN BY EBS
CHECKED BY NJS

DATE
MAY 17, 2025

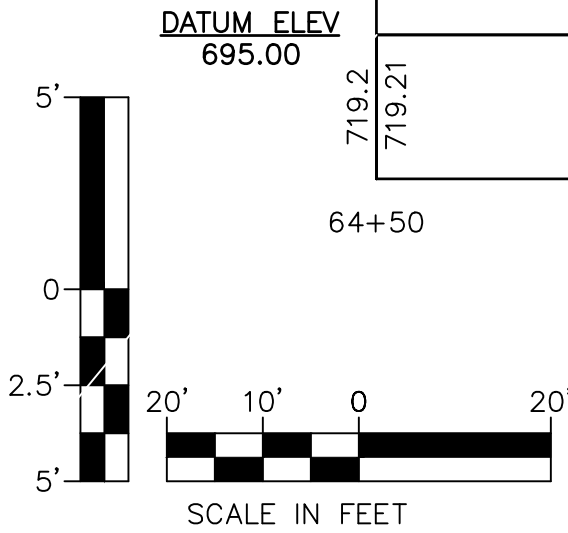
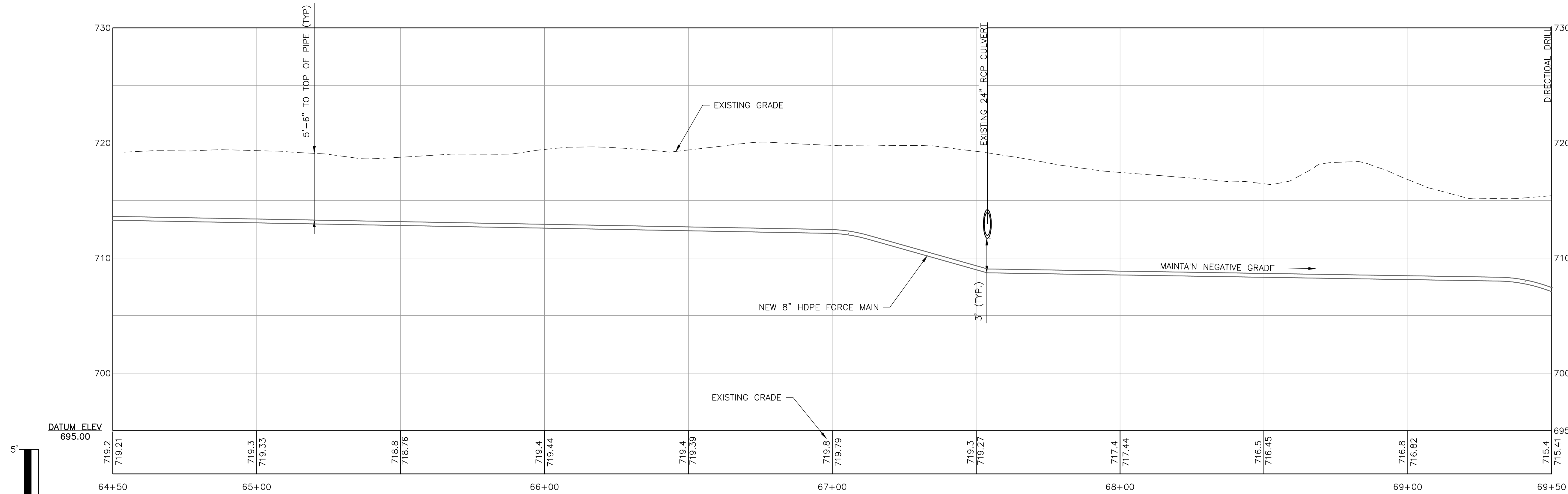
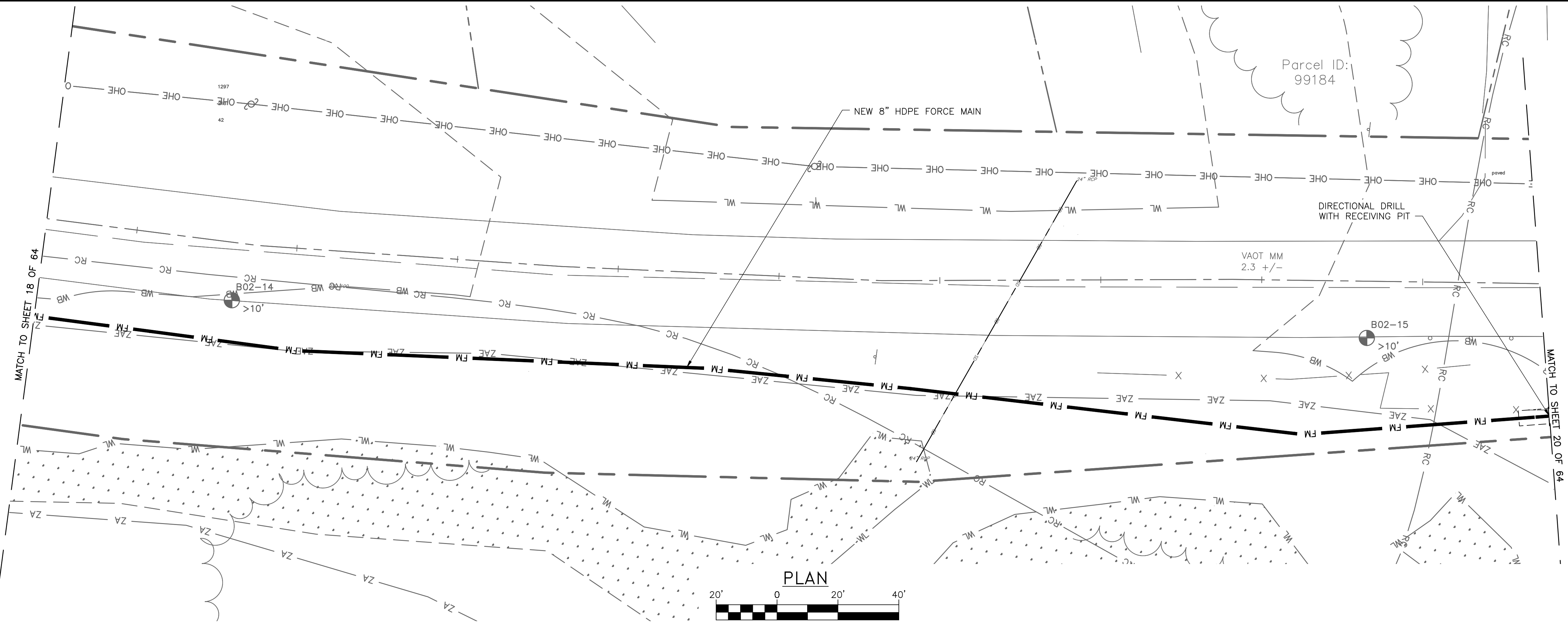
SHEET NUMBER

C14

SHEET: 17 of 64

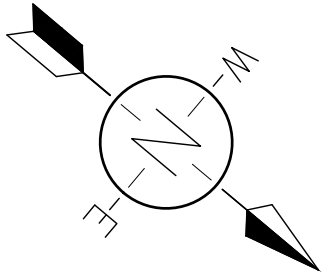
60% DESIGN SET
NOT FOR CONSTRUCTION
5/17/2025

I:\2\227947 Waitsfield Water and Wastewater Feasibility Stud\Drawings\Civil\Sheet Breakouts\227947-BDE-10-20.dwg 5/17/2025 9:37 AM



PROFILE

60% DESIGN SET
NOT FOR CONSTRUCTION
5/17/2025



DuBois & King inc.
www.dubois-king.com
© Copyright 2024 DuBois & King inc.

**NOT FOR
CONSTRUCTION
60% DESIGN SET**

REVISIONS		REVISION DESCRIPTION	DATE	NUMBER	BY
NUMBER	DATE				

CLIENT NAME
TOWN OF
WAITSFIELD

PROJECT NAME
**WAITSFIELD
COMMUNITY
WASTEWATER
SYSTEM**
PROJECT ADDRESS
4144 MAIN STREET
WAITSFIELD, VERMONT 05673

SHEET TITLE

PLAN AND PROFILE

STA 64+50 - 69+50

D&K PROJECT # 227947	PROJ. ENG. JBA
DRAWN BY EBS	CHECKED BY NJS

DATE
MAY 17, 2025

SHEET NUMBER

C16

SHEET: 19 of 64

I:\2\227947 Waitsfield Water and Wastewater Feasibility Stud\Drawings\Civil\Sheet Breakouts\227947-BDE-10-20.dwg 5/17/2025 9:38 AM

NOT FOR CONSTRUCTION
60% DESIGN SET

REVISIONS							
REVISION DESCRIPTION							
NUMBER	DATE						
		BY					

CLIENT NAME
TOWN OF
WAITSFIELD

PROJECT NAME
WAITSFIELD
COMMUNITY
WASTEWATER
SYSTEM
PROJECT ADDRESS
4144 MAIN STREET
WAITSFIELD, VERMONT 05673

SHEET TITLE

PLAN AND PROFILE

STA 69+50 - 74+50

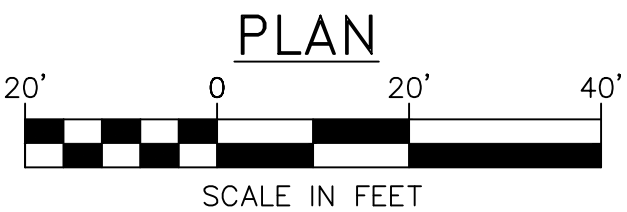
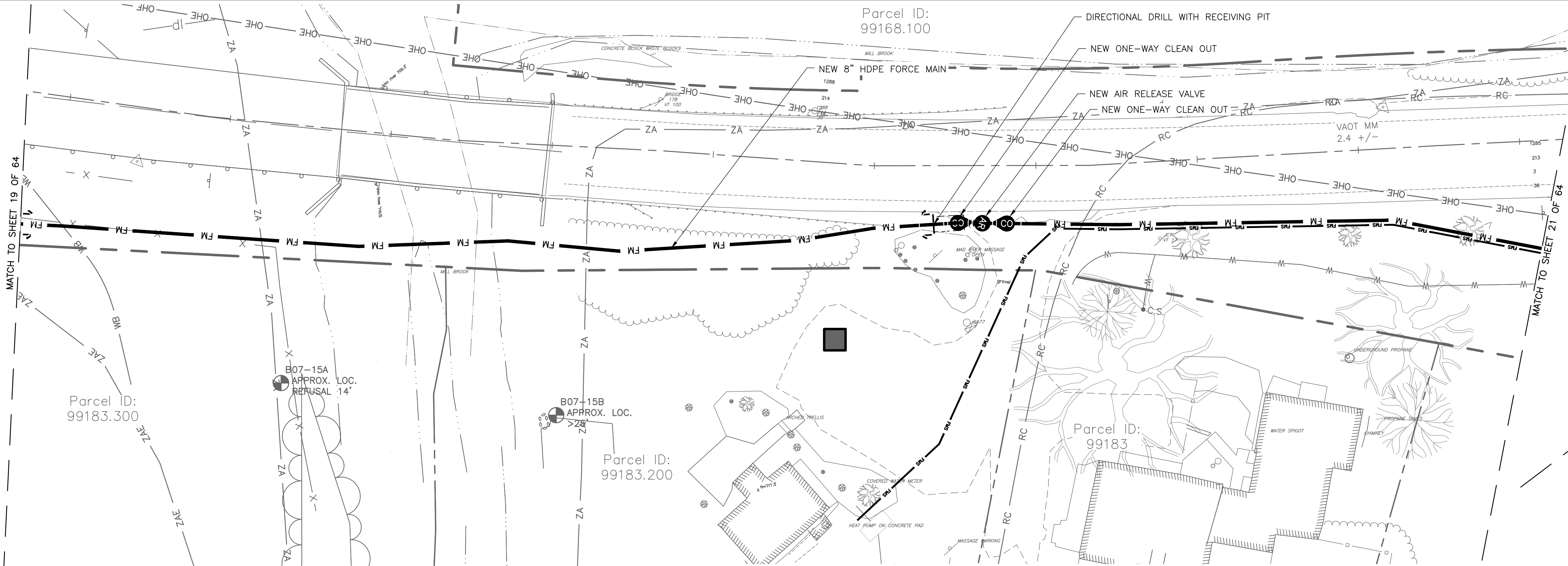
D&K PROJECT # 227947	PROJ. ENG. JBA
DRAWN BY EBS	CHECKED BY NJS

DATE
MAY 17, 2025

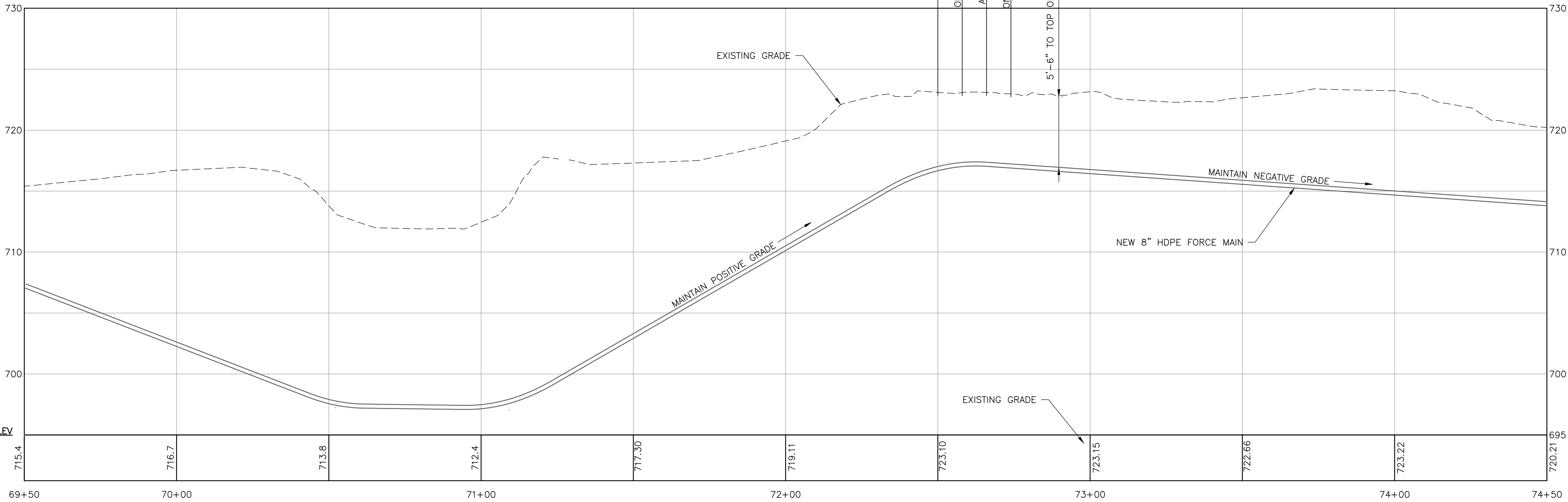
SHEET NUMBER

C17

SHEET: 20 of 64

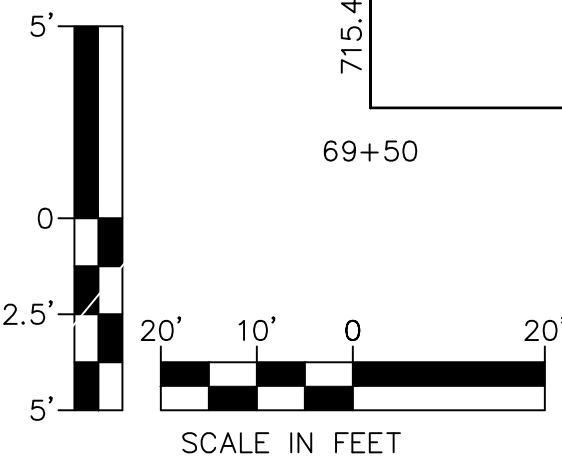


PLAN



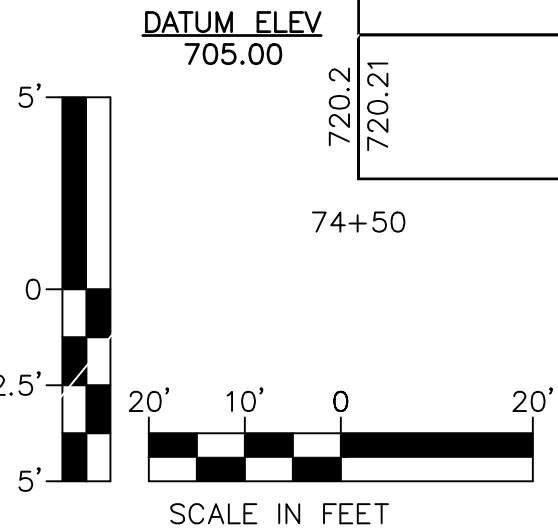
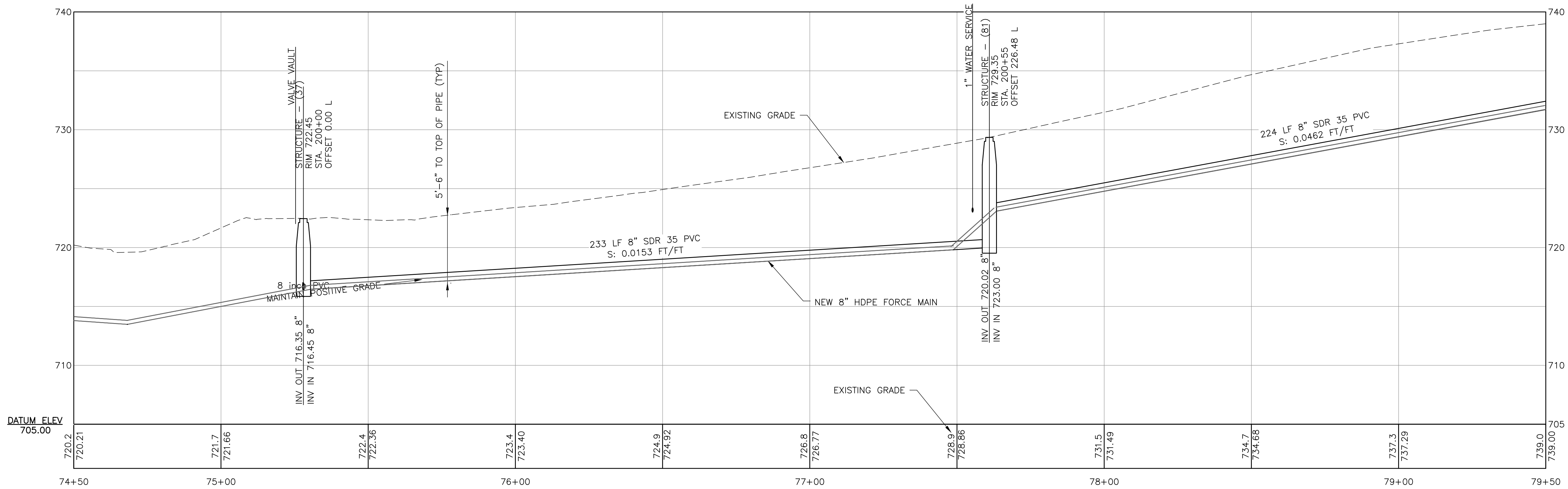
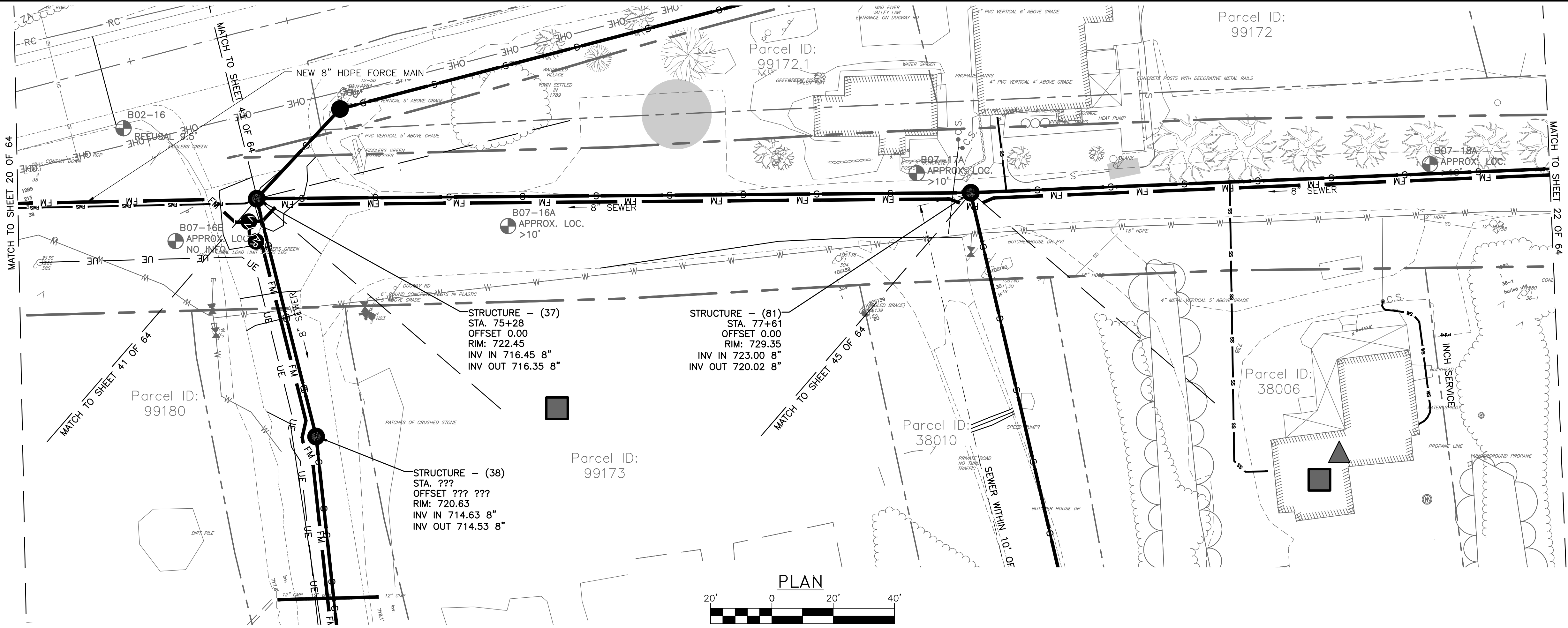
PROFILE

DATUM ELEV
695.00



60% DESIGN SET
NOT FOR CONSTRUCTION
5/17/2025

I:\2\227947 Waitsfield Water and Wastewater Feasibility Stud\Drawings\Civil Sheet Breakouts\227947-BDE-10-20.dwg 5/17/2025 9:38 AM



PROFILE

60% DESIGN SET
NOT FOR CONSTRUCTION

5/17/2025

DuBois & King inc.

www.dubois-king.com
© Copyright 2024 DuBois & King inc.

NOT FOR
CONSTRUCTION
60% DESIGN SET

REVISIONS	NUMBER	DATE	BY	REVISION DESCRIPTION

CLIENT NAME
TOWN OF
WAITSFIELD

PROJECT NAME
WAITSFIELD
COMMUNITY
WASTEWATER
SYSTEM

PROJECT ADDRESS
4144 MAIN STREET
WAITSFIELD, VERMONT 05673

SHEET TITLE

PLAN AND PROFILE

STA 74+50 - 79+50

D&K PROJECT #
227947

PROJ. ENG.
JBA

DRAWN BY
EBS

CHECKED BY
NJS

DATE
MAY 17, 2025

SHEET NUMBER

C18

SHEET: 21 of 64

I:\2\227947 Waitsfield Water and Wastewater Feasibility Stud\Drawings\Civil\Sheet Breakouts\227947-BD05-10-20.dwg 5/17/2025 9:40 AM

NOT FOR
CONSTRUCTION
60% DESIGN SET

REVISIONS		BY	DATE	REVISION DESCRIPTION
NUMBER	DATE			

CLIENT NAME
TOWN OF
WAITSFIELD

PROJECT NAME
WAITSFIELD
COMMUNITY
WASTEWATER
SYSTEM

PROJECT ADDRESS
4144 MAIN STREET
WAITSFIELD, VERMONT 05673

SHEET TITLE
PLAN AND PROFILE
STA 89+50 - 94+50

D&K PROJECT #
227947

PROJ. ENG.
JBA

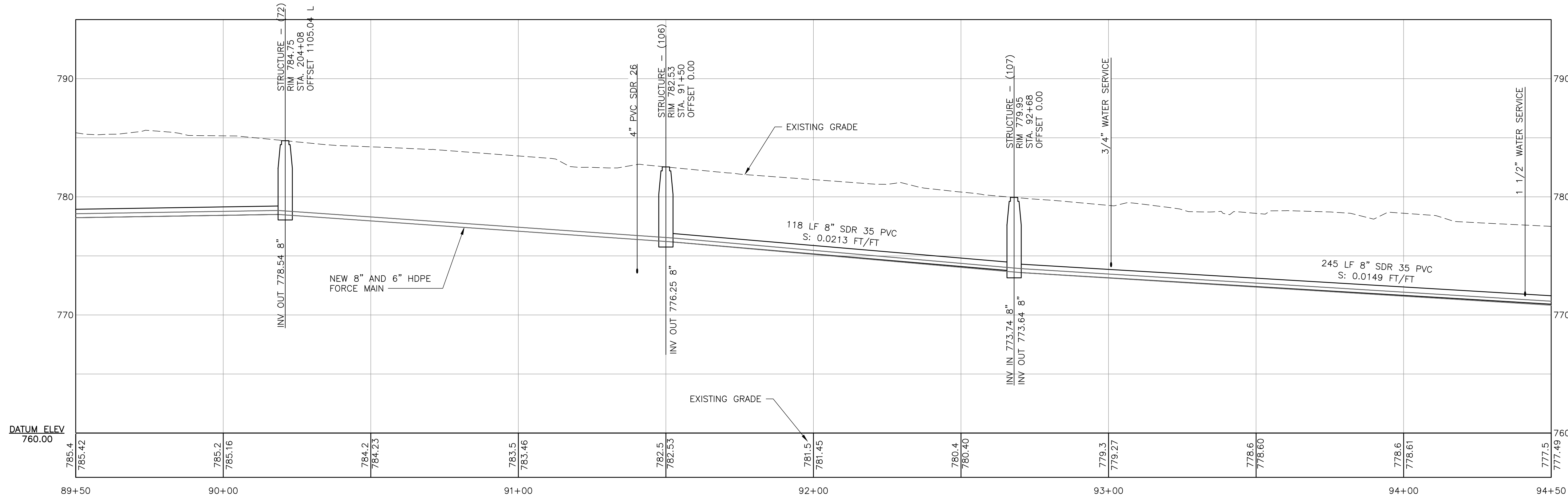
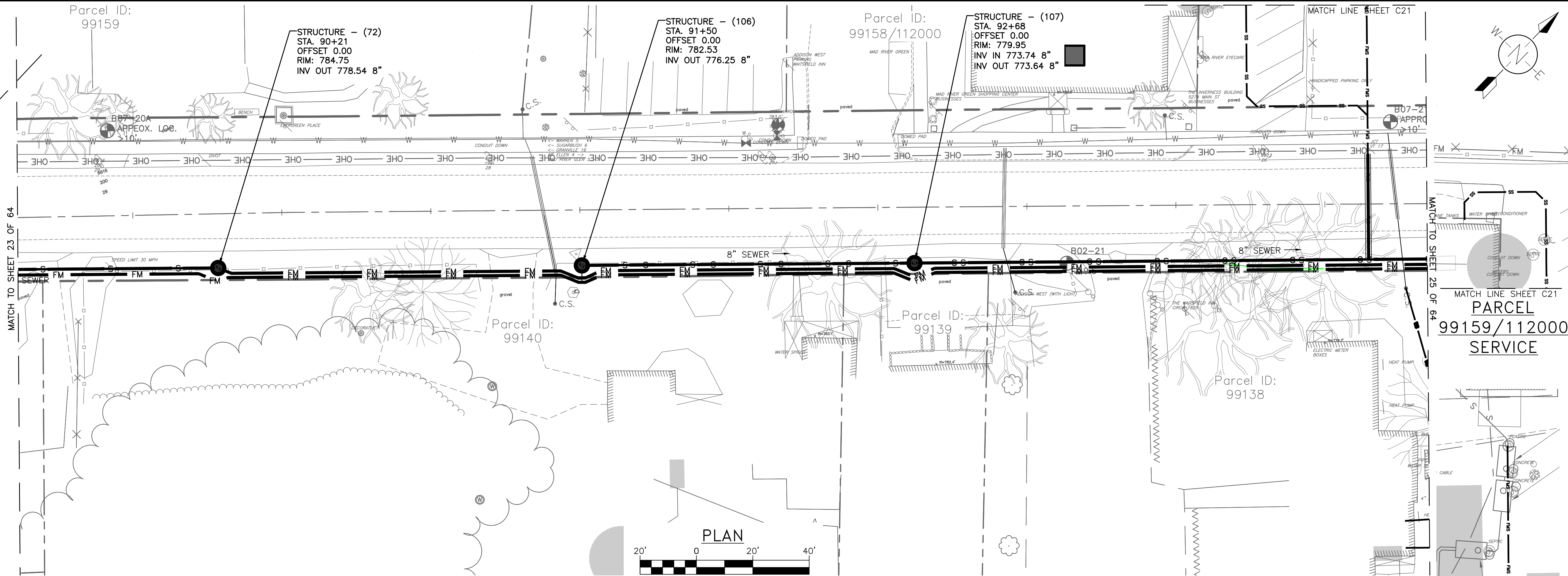
DRAWN BY
EBS

CHECKED BY
NJS

DATE
MAY 17, 2025

SHEET NUMBER
C21

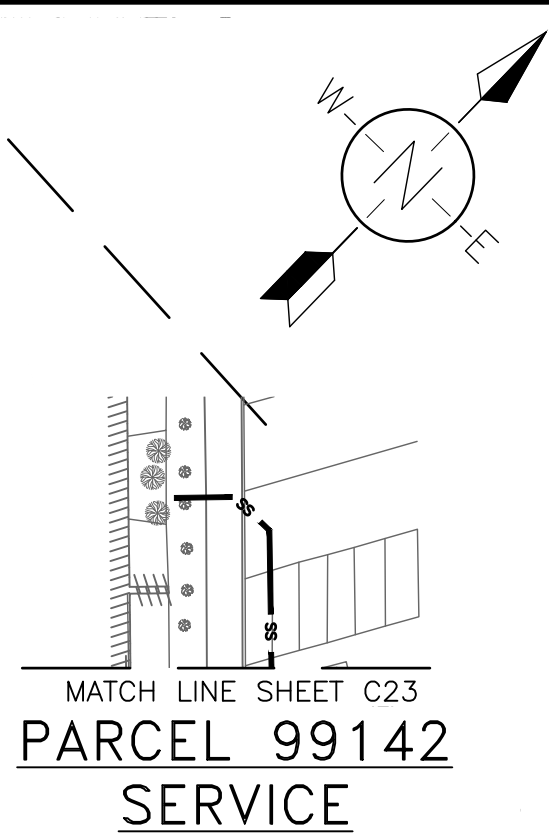
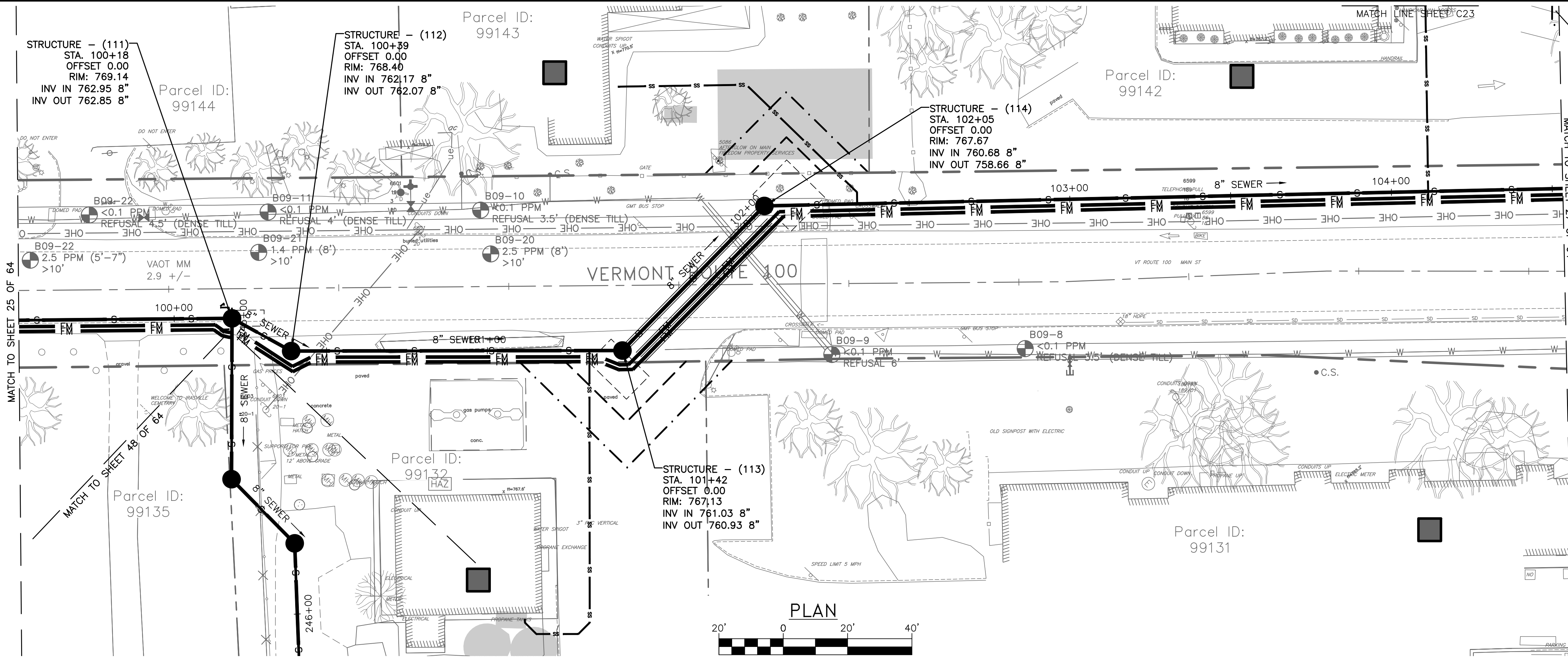
SHEET: 24 of 64



PROFILE

60% DESIGN SET
NOT FOR CONSTRUCTION
5/17/2025

I:\2\227947 Waitsfield Water and Wastewater Feasibility Study\Drawings\Civil\Sheet Breakouts\227947-B05-20-30.dwg 5/17/2025 9:44 AM



NOT FOR CONSTRUCTION
60% DESIGN SET

REVISIONS	BY				
	REVISION DESCRIPTION				
	DATE	NUMBER			

CLIENT NAME
TOWN OF
WAITSFIELD

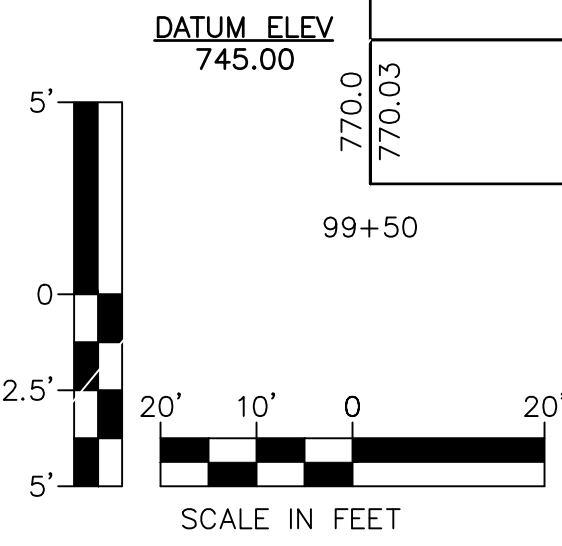
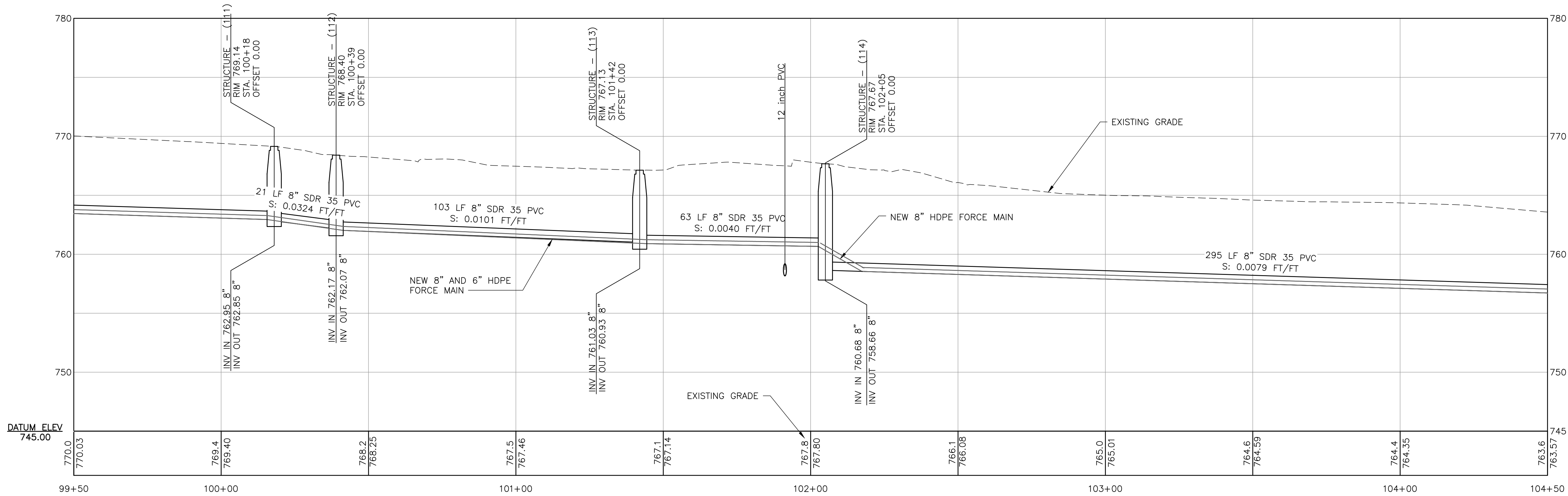
PROJECT NAME
WAITSFIELD
COMMUNITY
WASTEWATER
SYSTEM
PROJECT ADDRESS
4144 MAIN STREET
WAITSFIELD, VERMONT 05673

SHEET TITLE
PLAN AND PROFILE
STA 99+50 - 104+50

D&K PROJECT # 227947	PROJ. ENG. JBA
DRAWN BY EBS	CHECKED BY NJS

DATE
MAY 17, 2025

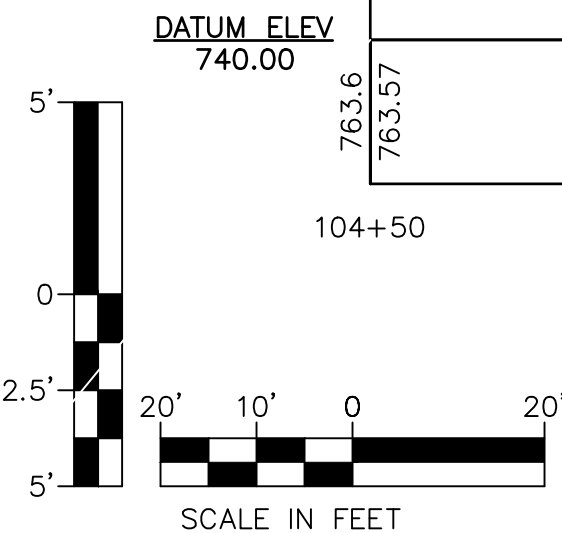
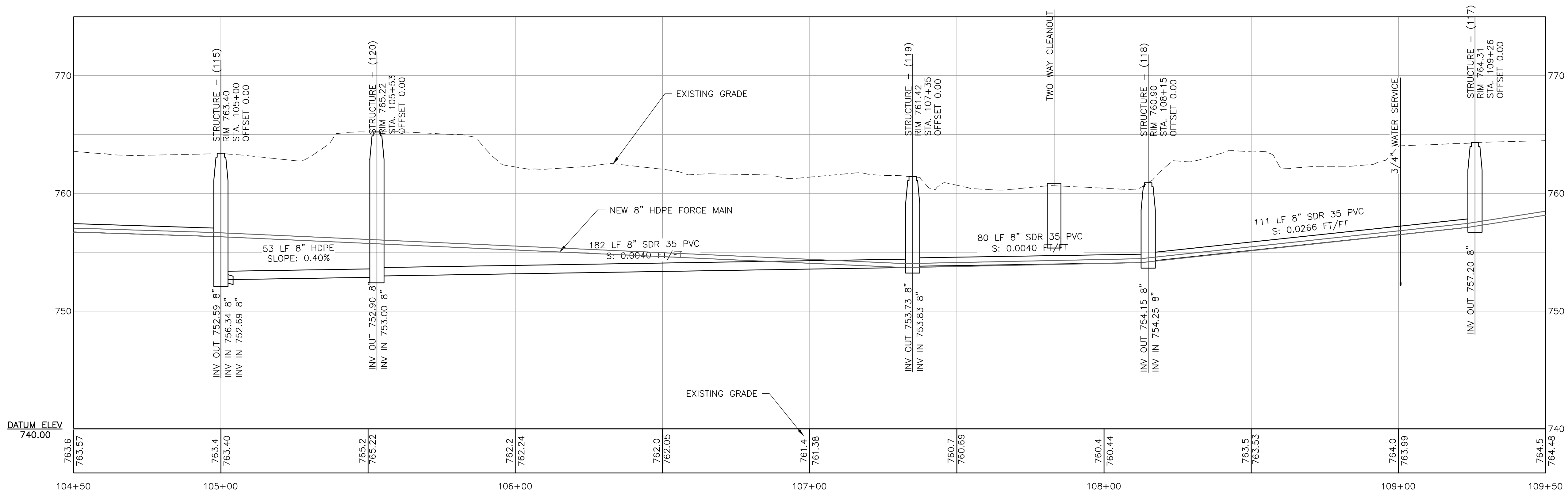
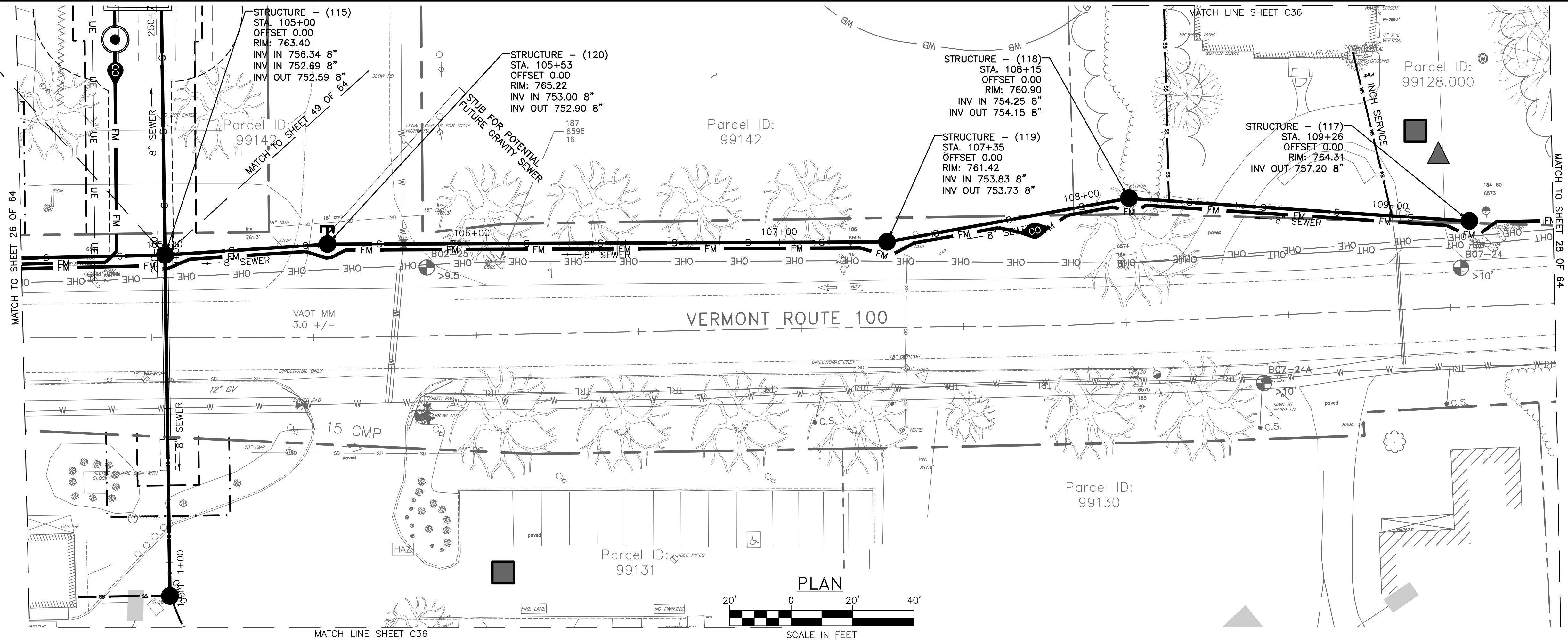
SHEET NUMBER
C23
SHEET: 26 of 64



PROFILE

60% DESIGN SET
NOT FOR CONSTRUCTION
5/17/2025

I:\2\227947 Waitsfield Water and Wastewater Feasibility Stud\Drawings\Civil\Sheet Breakouts\227947-B05-20-30.dwg 5/17/2025 9:44 AM



PROFILE

60% DESIGN SET
NOT FOR CONSTRUCTION

5/17/2025

www.dubois-king.com
© Copyright 2024 DuBois & King inc.

NOT FOR CONSTRUCTION
60% DESIGN SET

REVISIONS	
NUMBER	REVISION DESCRIPTION

CLIENT NAME
TOWN OF
WAITSFIELD

PROJECT NAME
WAITSFIELD
COMMUNITY
WASTEWATER
SYSTEM

PROJECT ADDRESS
4144 MAIN STREET
WAITSFIELD, VERMONT 05673

SHEET TITLE

PLAN AND PROFILE

STA 104+50 - 109+50

D&K PROJECT # 227947	PROJ. ENG. JBA
DRAWN BY EBS	CHECKED BY NJS

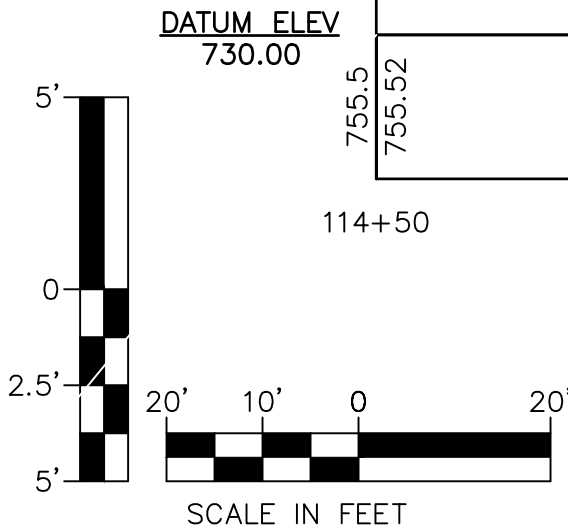
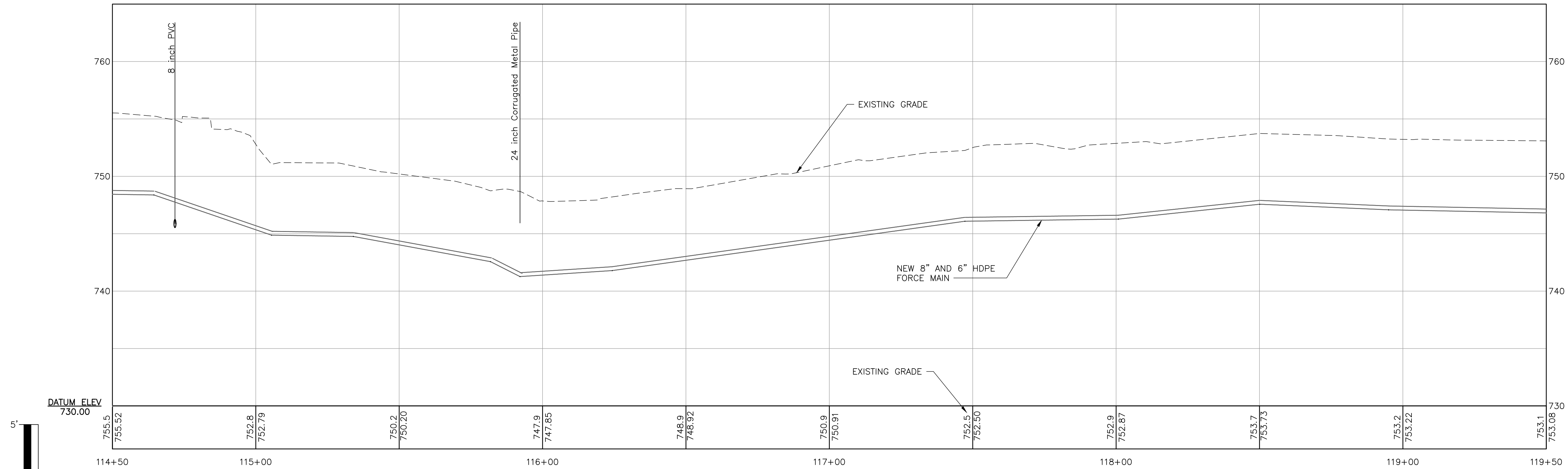
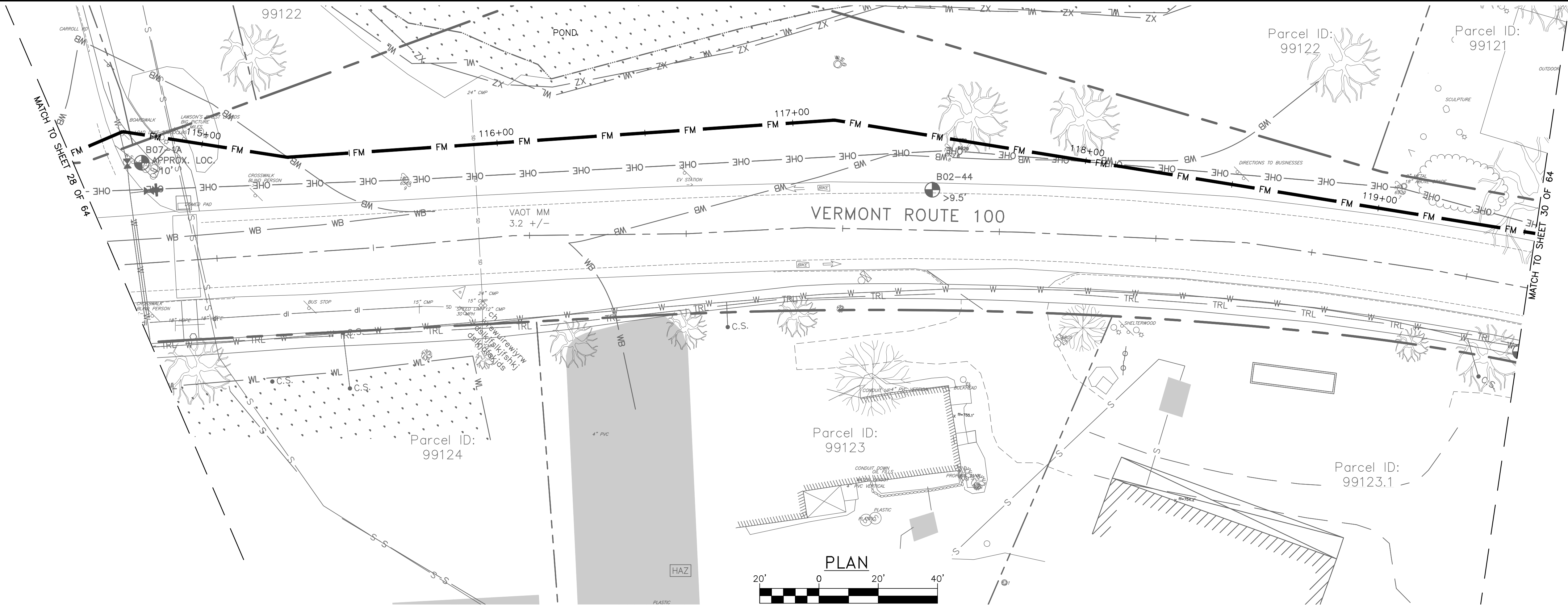
DATE
MAY 17, 2025

SHEET NUMBER

C24

SHEET: 27 of 64

I:\2\227947 Waitsfield Water and Wastewater Feasibility Stud\Drawings\Civil\Sheet Breakouts\227947-BD05-20-30.dwg 5/17/2025 9:45 AM



PROFILE

60% DESIGN SET
NOT FOR CONSTRUCTION

5/17/2025

DuBois & King inc.

www.dubois-king.com
© Copyright 2024 DuBois & King inc.

NOT FOR
CONSTRUCTION
60% DESIGN SET

REVISIONS	BY					
	REVISION DESCRIPTION					
	DATE	NUMBER				

CLIENT NAME
TOWN OF
WAITSFIELD

PROJECT NAME
WAITSFIELD
COMMUNITY
WASTEWATER
SYSTEM

PROJECT ADDRESS
4144 MAIN STREET
WAITSFIELD, VERMONT 05673

SHEET TITLE

PLAN AND PROFILE

STA 114+50 - 119+50

D&K PROJECT #
227947

PROJ. ENG.
JBA

DRAWN BY
EBS

CHECKED BY
NJS

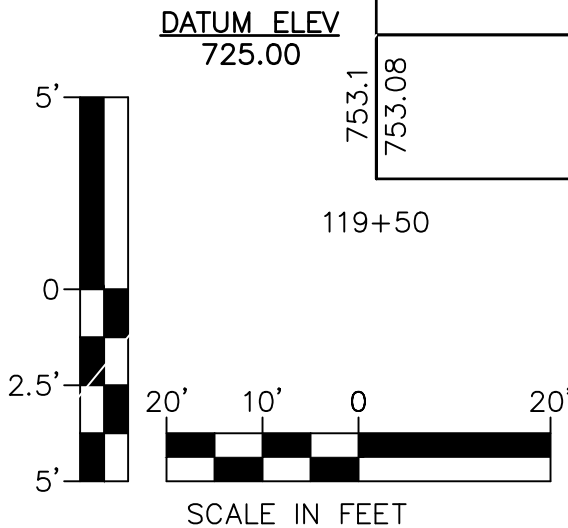
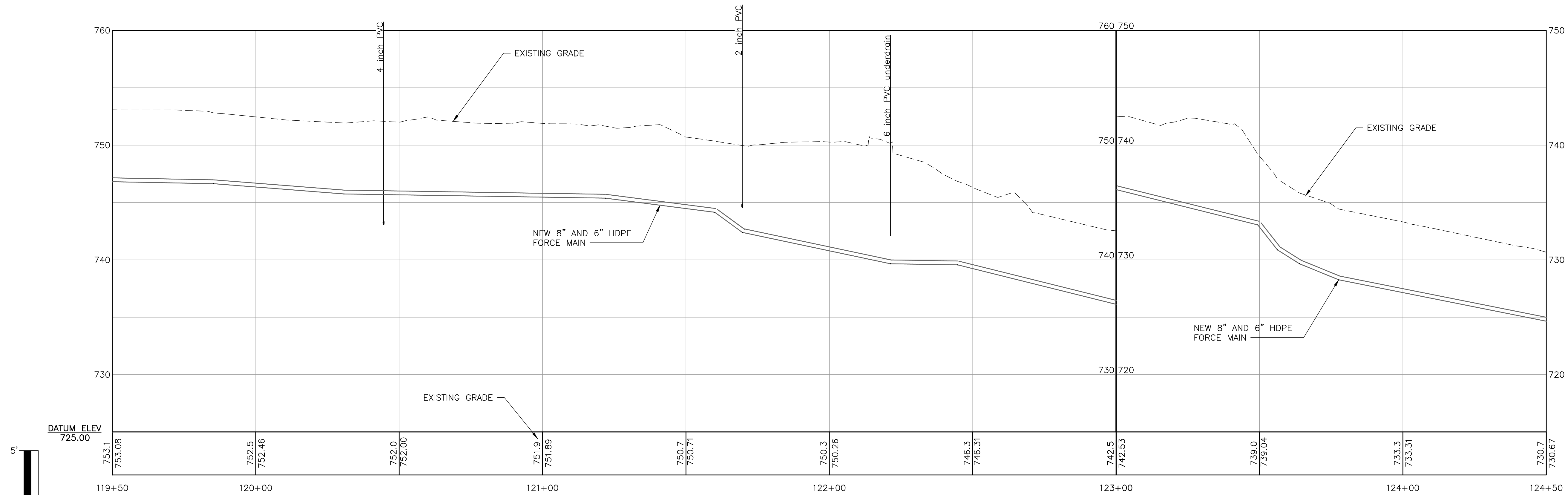
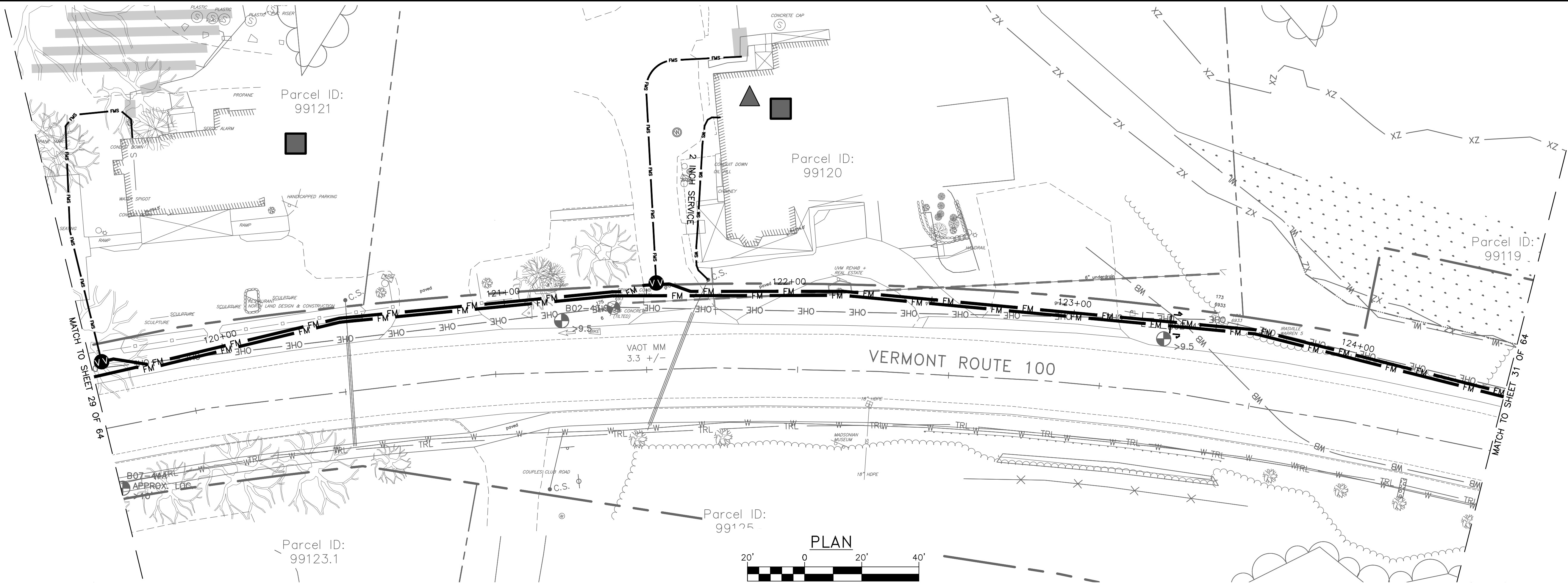
DATE
MAY 17, 2025

SHEET NUMBER

C26

SHEET: 29 of 64

I:\2\227947 Waitsfield Water and Wastewater Feasibility Stud\Drawings\Civil\Sheet Breakouts\227947-B05-20-30.dwg 5/17/2025 9:46 AM



PROFILE

60% DESIGN SET
NOT FOR CONSTRUCTION
5/17/2025

**NOT FOR
CONSTRUCTION
60% DESIGN SET**

REVISIONS		BY	DATE	NUMBER
REVISION DESCRIPTION				

CLIENT NAME
TOWN OF
WAITSFIELD

PROJECT NAME
**WAITSFIELD
COMMUNITY
WASTEWATER
SYSTEM**
PROJECT ADDRESS
4144 MAIN STREET
WAITSFIELD, VERMONT 05673

SHEET TITLE

PLAN AND PROFILE

STA 119+50 - 124+50

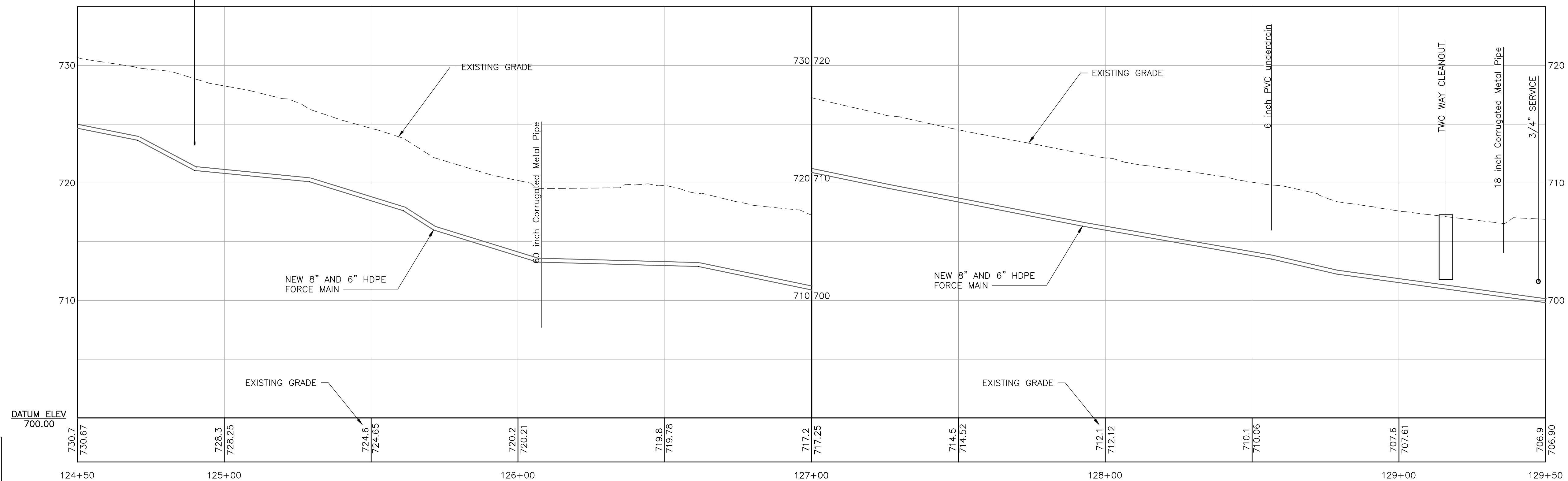
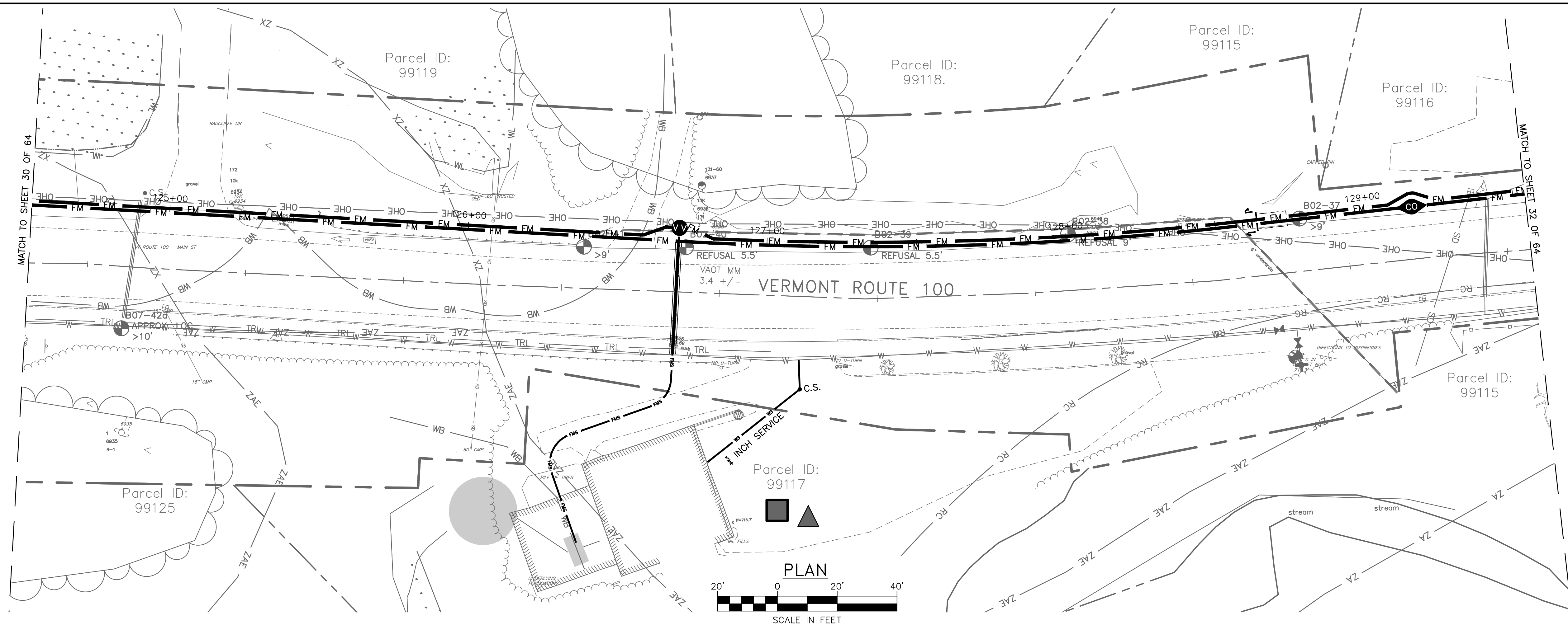
D&K PROJECT # 227947	PROJ. ENG. JBA
DRAWN BY EBS	CHECKED BY NJS

DATE
MAY 17, 2025

SHEET NUMBER

C27

SHEET: 30 of 64



PROFILE

60% DESIGN SET
NOT FOR CONSTRUCTION

5/17/2025

SHEET: 31 of 64

C28

SHEET NUMBER

MAY 17, 2025

DRAWN BY	CHECKED BY
EBS	NJS

D&K PROJECT #	PROJ. ENG.
227947	JBA

SHEET TITLE

PROJECT NAME
WAITSFIELD
COMMUNITY
WASTEWATER
SYSTEM

PROJECT ADDRESS
4144 MAIN STREET
WAITSFIELD, VERMONT 05673

CLIENT NAME
TOWN OF
WAITSFIELD

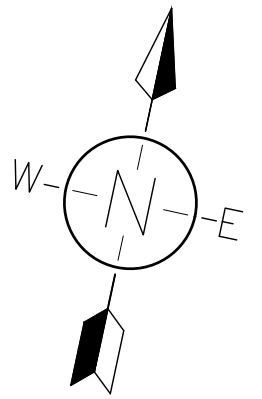
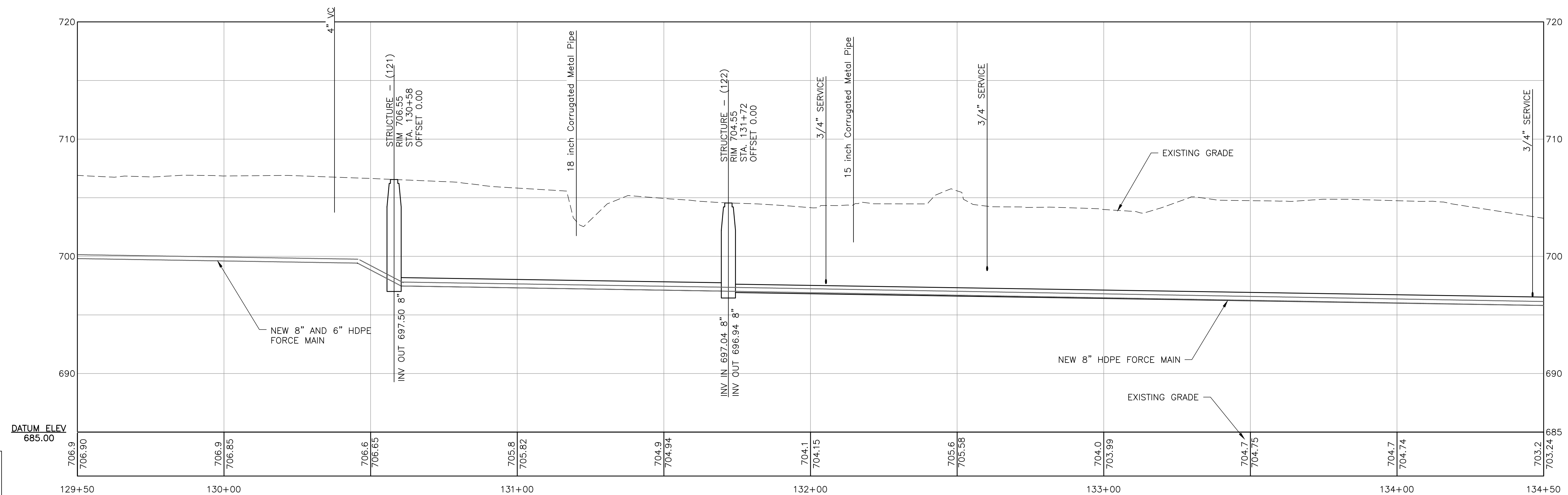
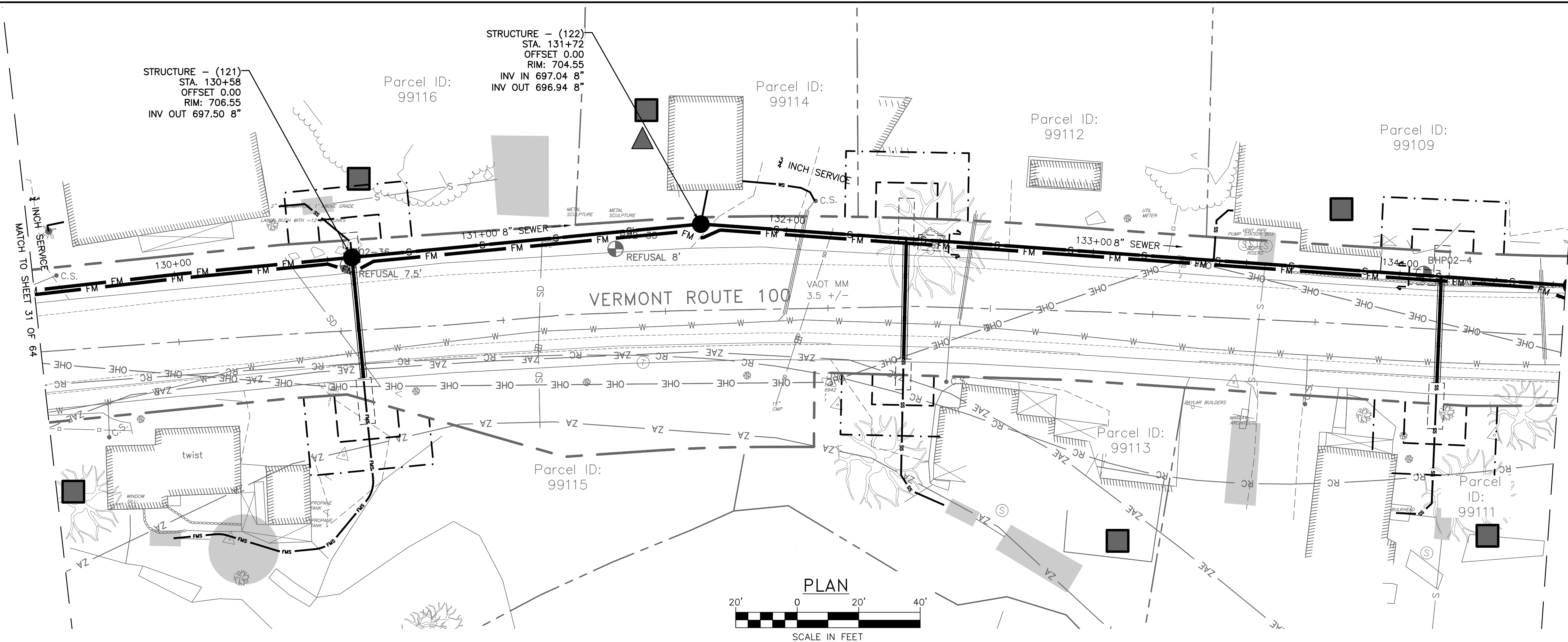
[illegible]

**NOT FOR
CONSTRUCTION
60% DESIGN SET**

www.dubois-king.com
© Copyright 2024 DuBois & King inc.

**DuBois
& King inc.**

p:\2\227947 Waitsfield Water and Wastewater Feasibility Stud\Drawings\Civil\Sheet Breakouts\227947-BDR-20-30.dwg 5/17/2025 9:47 AM



**DuBois
& King inc.**

www.dubois-king.com
© Copyright 2024 DuBois & King inc.

**NOT FOR
CONSTRUCTION
60% DESIGN SET**

[illegible]

CLIENT NAME
TOWN OF
WAITSFIELD

PROJECT NAME
WAITSFIELD
COMMUNITY
WASTEWATER
SYSTEM

PROJECT ADDRESS
4144 MAIN STREET
WAITSFIELD, VERMONT 05673

SHEET TITLE

PLAN AND PROFILE

STA 129+50 - 134+50

D&K PROJECT #	PROJ. ENG.
227947	JBA

DRAWN BY EBS	CHECKED BY NJS
-----------------	-------------------

DATE	MAY 17, 2025
------	--------------

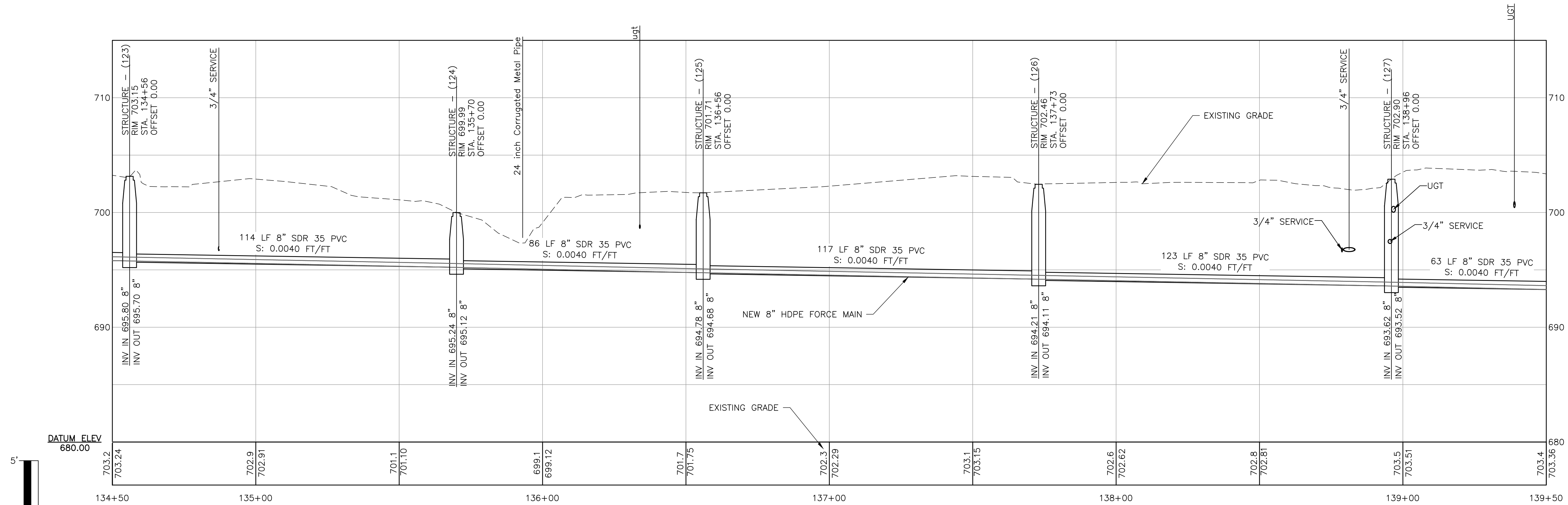
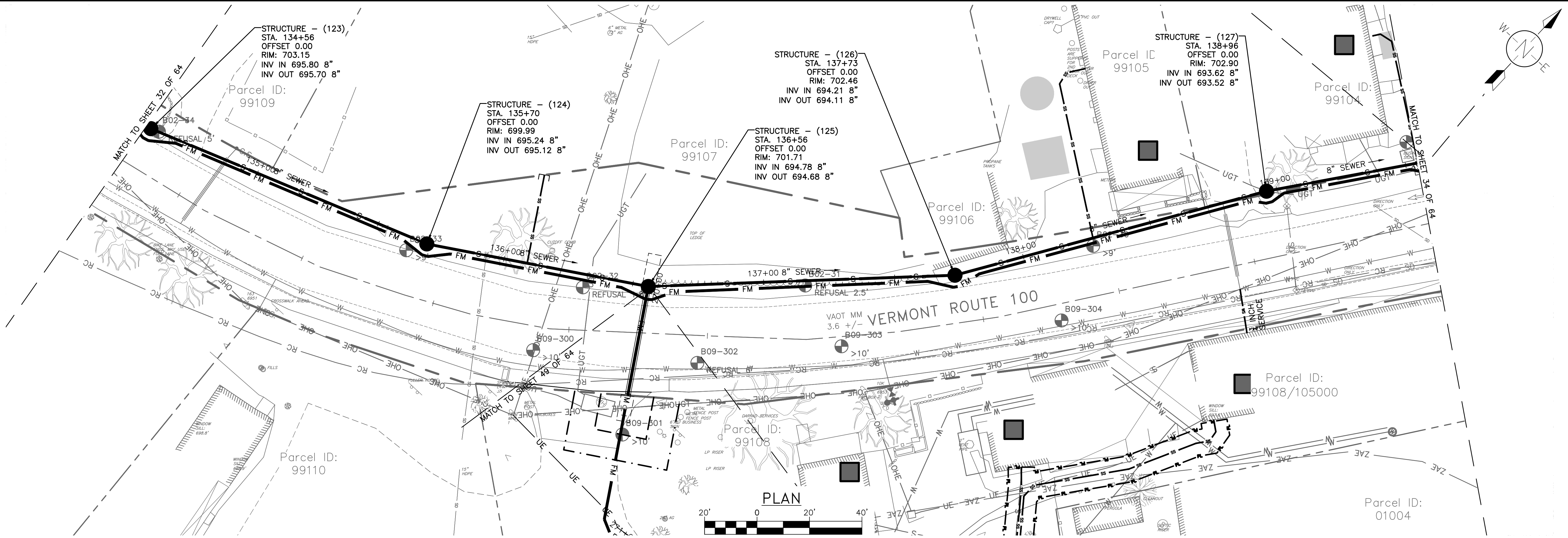
SHEET NUMBER

C29

SHEET: 32 of 64

60% DESIGN SET
NOT FOR CONSTRUCTION

I:\2\227947 Waitsfield Water and Wastewater Feasibility Study\Drawings\Civil\Sheet Breakouts\227947-BD05-20-30.dwg 5/17/2025 9:48 AM



PROFILE

DuBois & King inc.
www.dubois-king.com
© Copyright 2024 DuBois & King inc.

NOT FOR CONSTRUCTION
60% DESIGN SET

REVISIONS	
NUMBER	REVISION DESCRIPTION

CLIENT NAME
TOWN OF
WAITSFIELD

PROJECT NAME
WAITSFIELD
COMMUNITY
WASTEWATER
SYSTEM
PROJECT ADDRESS
4144 MAIN STREET
WAITSFIELD, VERMONT 05673

SHEET TITLE

PLAN AND PROFILE

STA 134+50 - 139+50

D&K PROJECT # 227947	PROJ. ENG. JBA
DRAWN BY EBS	CHECKED BY NJS

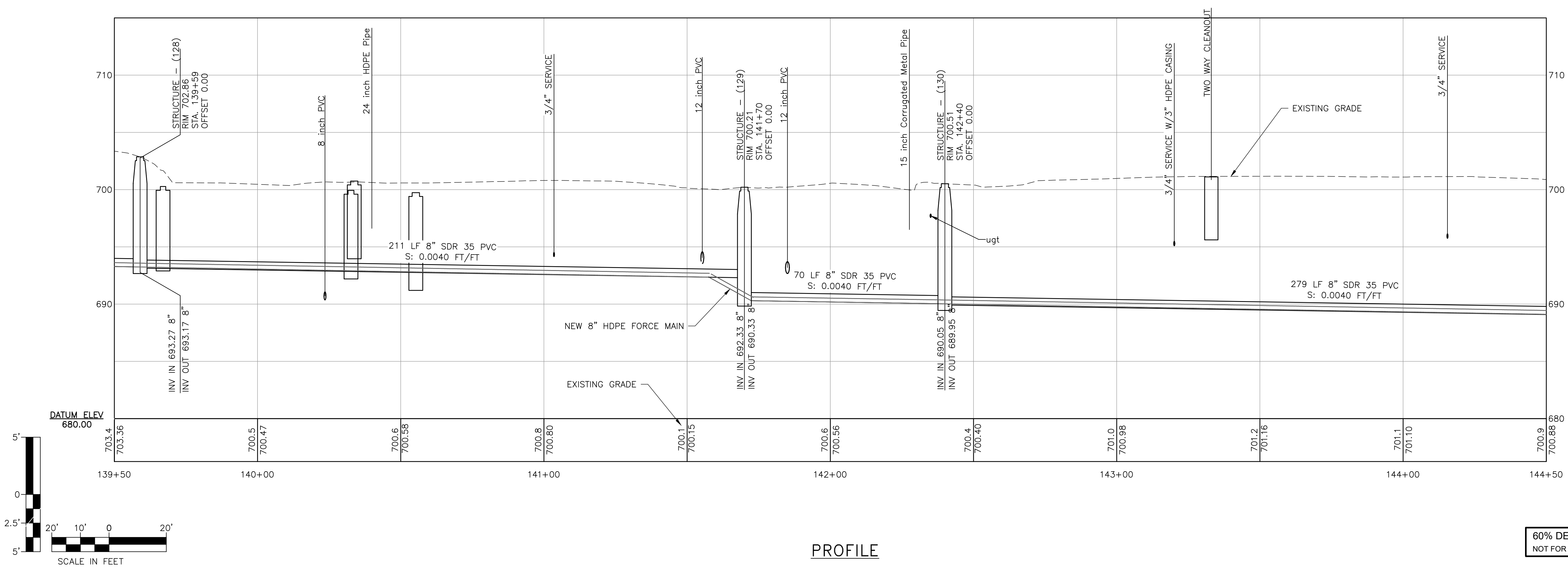
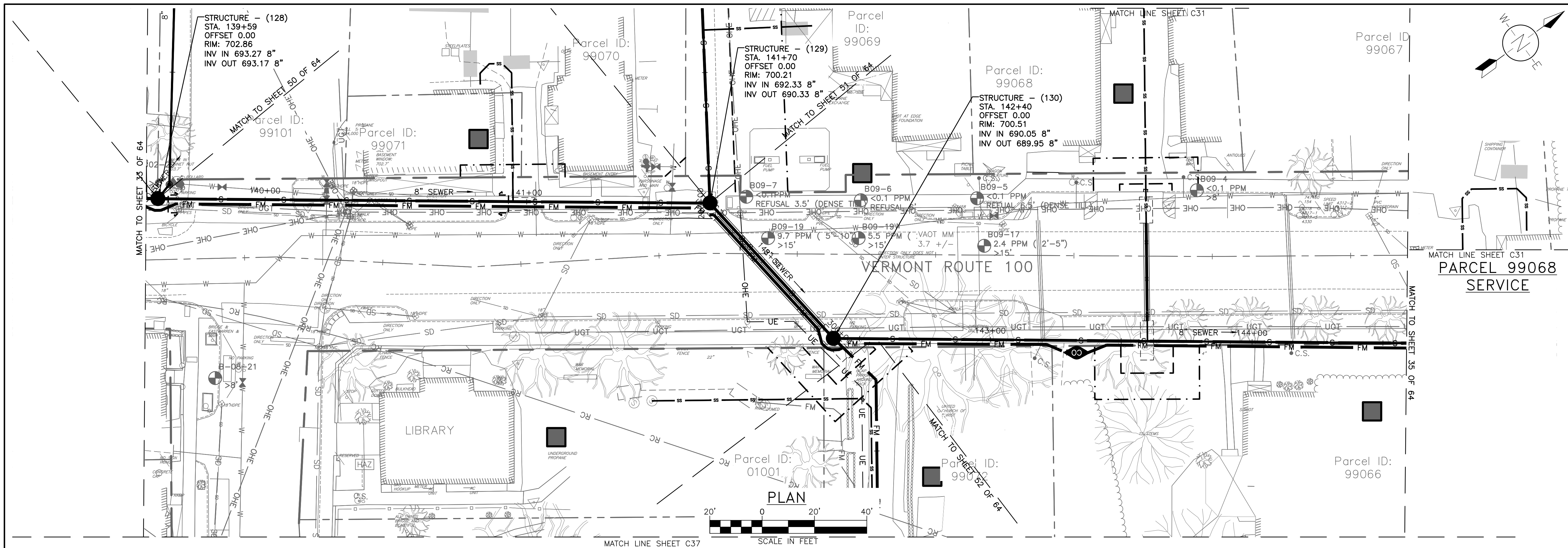
DATE
MAY 17, 2025

SHEET NUMBER

C30

SHEET: 33 of 64

60% DESIGN SET
NOT FOR CONSTRUCTION
5/17/2025



**NOT FOR
CONSTRUCTION
60% DESIGN SET**

[illegible]

CLIENT NAME
TOWN OF
WAITSFIELD

PROJECT NAME
WAITSFIELD
COMMUNITY
WASTEWATER
SYSTEM

PROJECT ADDRESS
4144 MAIN STREET
WAITSFIELD, VERMONT 05673

SHEET TITLE

PLAN AND PROFILE

STA 139+50 - 144+50

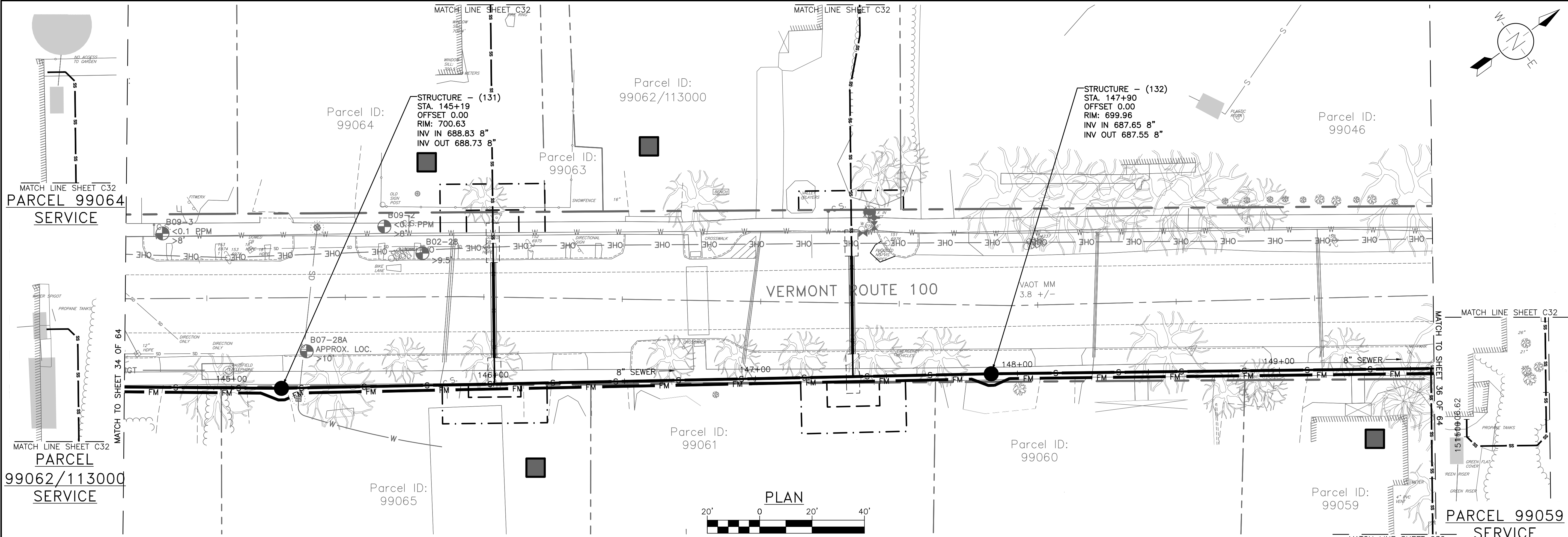
D&K PROJECT #	PROJ. ENG.
227947	JBA
DRAWN BY	CHECKED BY
EBS	NJS

DATE	MAY 17, 2025
------	--------------

C31

SHEET: 34 of 64

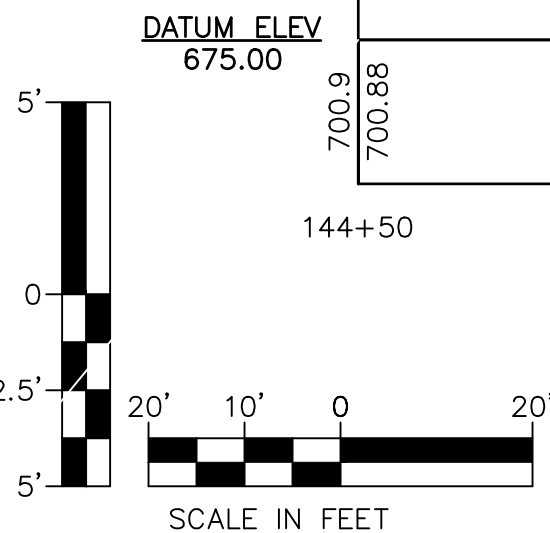
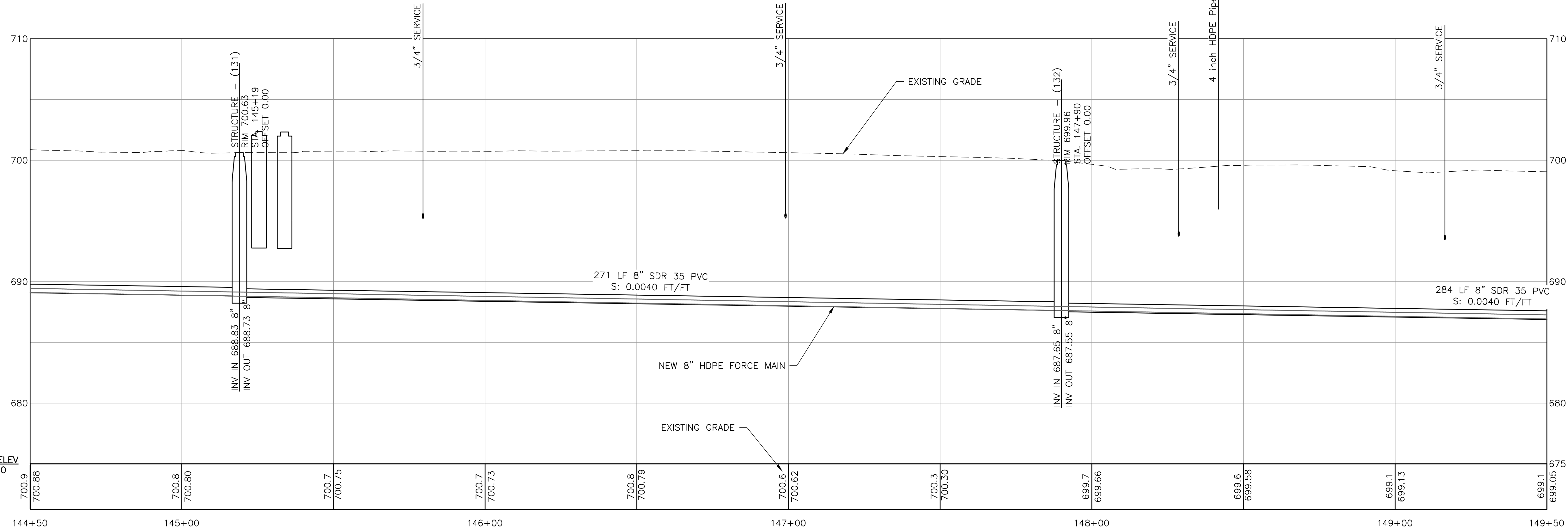
I:\2\227947 Waitsfield Water and Wastewater Feasibility Stud\Drawings\Civil\Sheet Breakouts\227947-B05-20-30.dwg 5/17/2025 9:50 AM



MATCH LINE SHEET C32
PARCEL 99062/113000
SERVICE

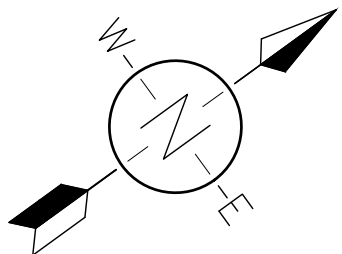
MATCH LINE SHEET C32
PARCEL 99064
SERVICE

MATCH LINE SHEET C32
PARCEL 99059
SERVICE



PROFILE

60% DESIGN SET
NOT FOR CONSTRUCTION
5/17/2025



DuBois & King inc.
www.dubois-king.com
© Copyright 2024 DuBois & King inc.

**NOT FOR
CONSTRUCTION
60% DESIGN SET**

REVISIONS		BY	
NUMBER	DATE	REVISION DESCRIPTION	

CLIENT NAME
TOWN OF
WAITSFIELD

PROJECT NAME
WAITSFIELD
COMMUNITY
WASTEWATER
SYSTEM

PROJECT ADDRESS
4144 MAIN STREET
WAITSFIELD, VERMONT 05673

SHEET TITLE

PLAN AND PROFILE

STA 144+50 - 149+50

D&K PROJECT # 227947	PROJ. ENG. JBA
DRAWN BY EBS	CHECKED BY NJS

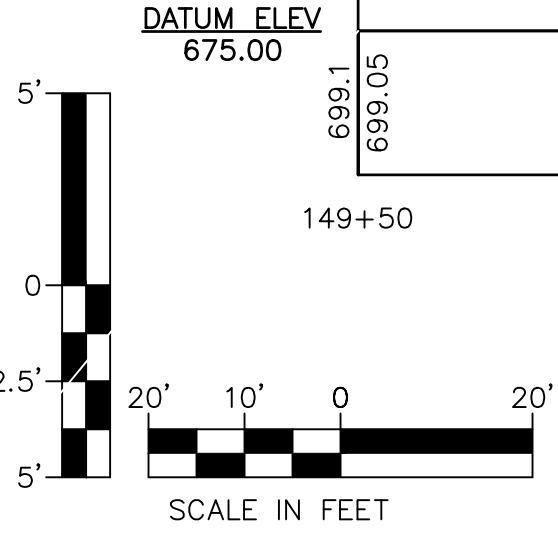
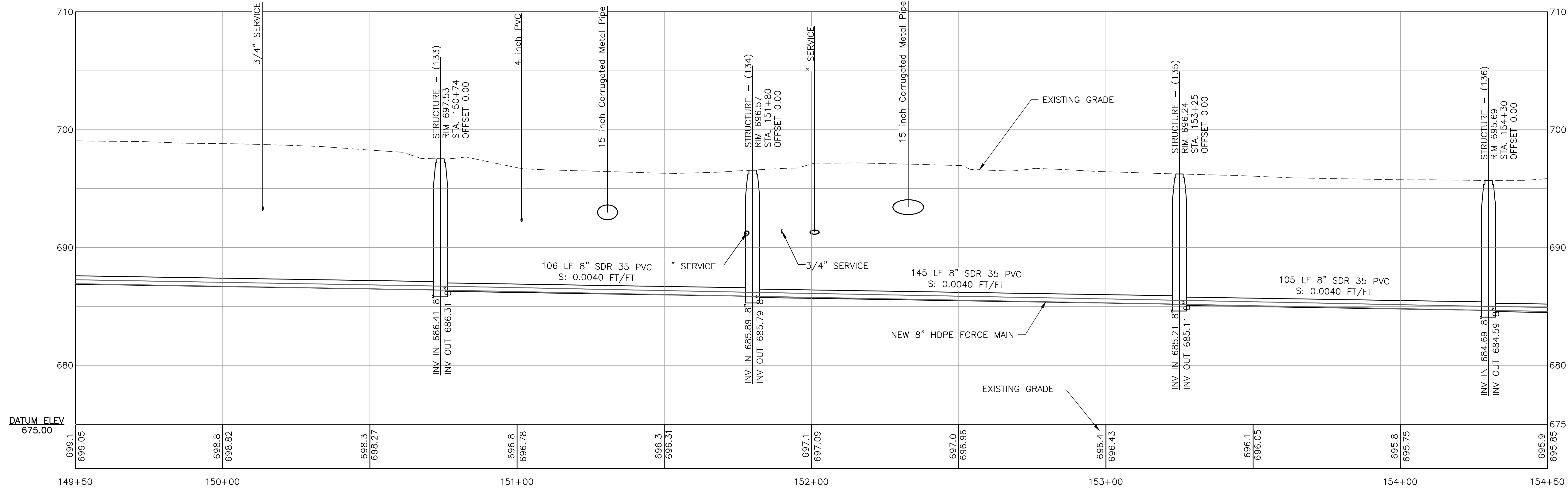
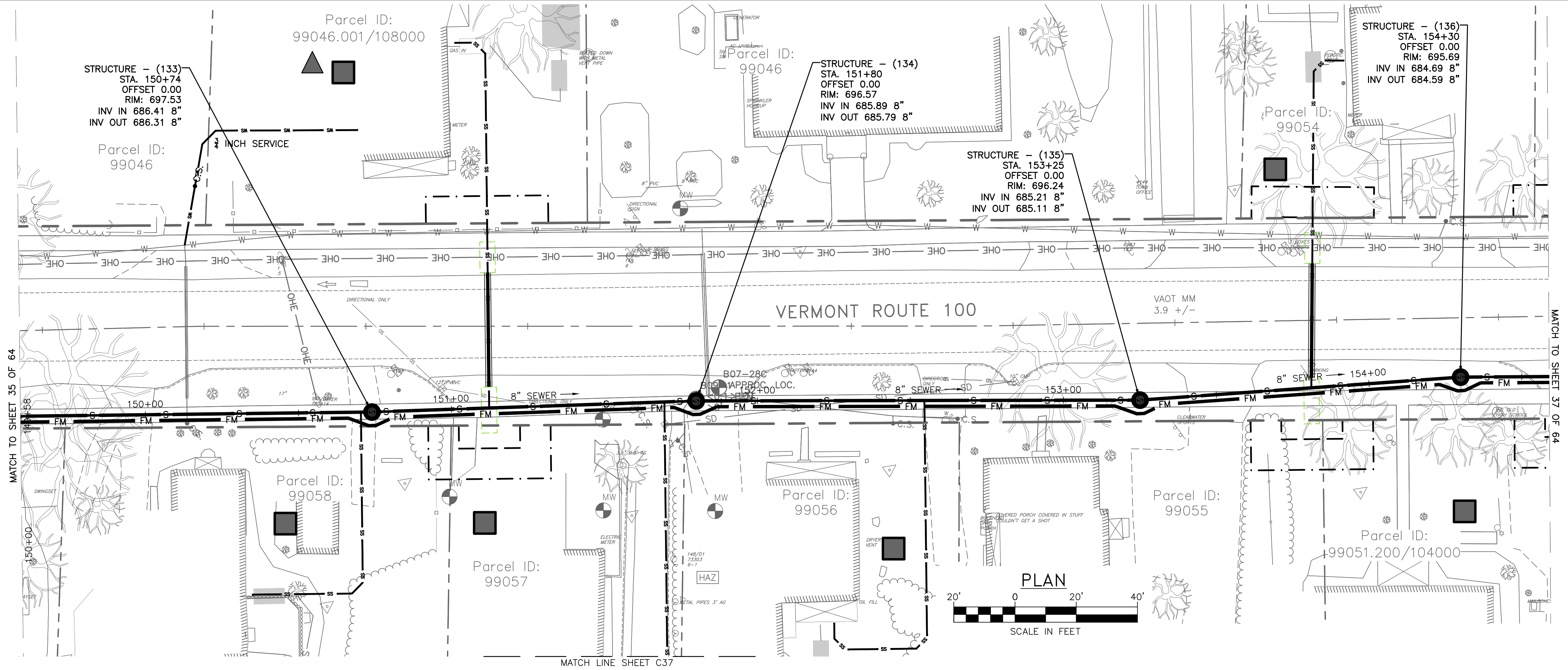
DATE
MAY 17, 2025

SHEET NUMBER

C32

SHEET: 35 of 64

I:\2\227947 Waitsfield Water and Wastewater Feasibility Stud\Drawings\Civil\Sheet Breakouts\227947-BD05-30-40.dwg 5/17/2025 9:51 AM



PROFILE

60% DESIGN SET
NOT FOR CONSTRUCTION
5/17/2025

NOT FOR
CONSTRUCTION
60% DESIGN SET

REVISIONS	BY		REVISION DESCRIPTION	DATE	NUMBER

CLIENT NAME
TOWN OF
WAITSFIELD

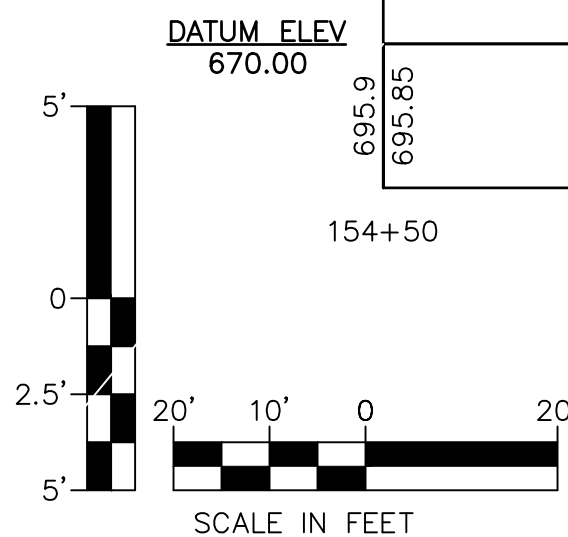
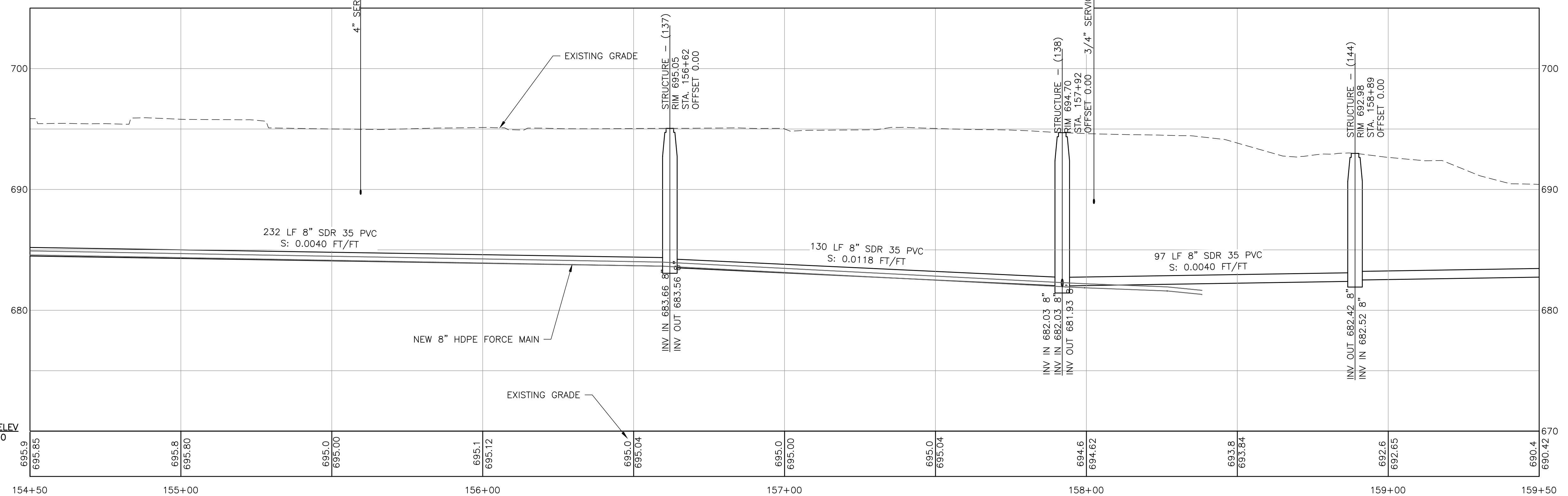
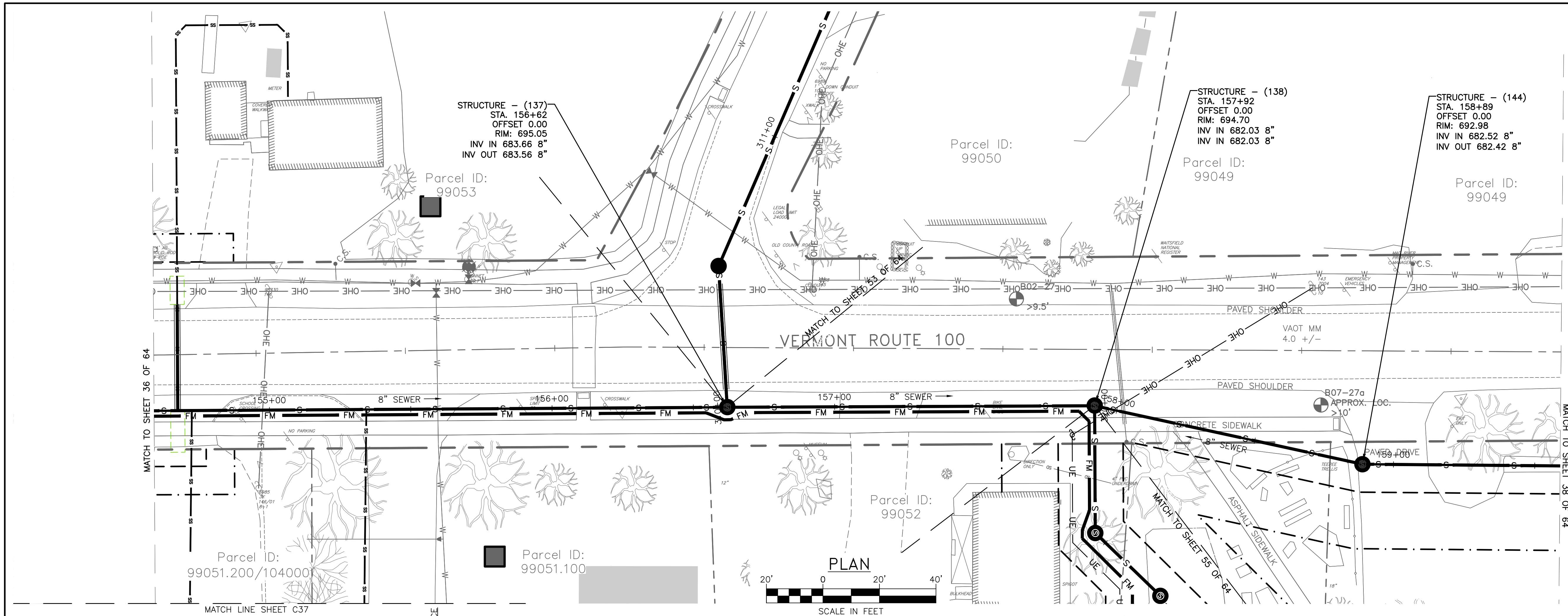
PROJECT NAME
WAITSFIELD
COMMUNITY
WASTEWATER
SYSTEM
PROJECT ADDRESS
4144 MAIN STREET
WAITSFIELD, VERMONT 05673

SHEET TITLE
PLAN AND PROFILE
STA 149+50 - 154+50

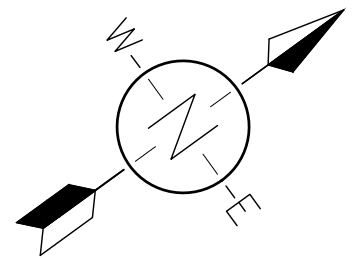
D&K PROJECT # 227947	PROJ. ENG. JBA
DRAWN BY EBS	CHECKED BY NJS

DATE
MAY 17, 2025

SHEET NUMBER
C33
SHEET: 36 of 64



PROFILE



DuBois & King inc.

www.dubois-king.com
© Copyright 2024 DuBois & King inc.

**NOT FOR
CONSTRUCTION
60% DESIGN SET**

[illegible]

CLIENT NAME
TOWN OF
WAITSFIELD

PROJECT NAME
WAITSFIELD
COMMUNITY
WASTEWATER
SYSTEM

PROJECT ADDRESS
4144 MAIN STREET
WATSFIELD, VERMONT 05673

SHEET TITLE

PLAN AND PROFILE

STA 154+50 - 159+50

WORK PROJECT #	PROJ. ENG.
227947	JBA
DRAWN BY	CHECKED BY
EBS	NJS

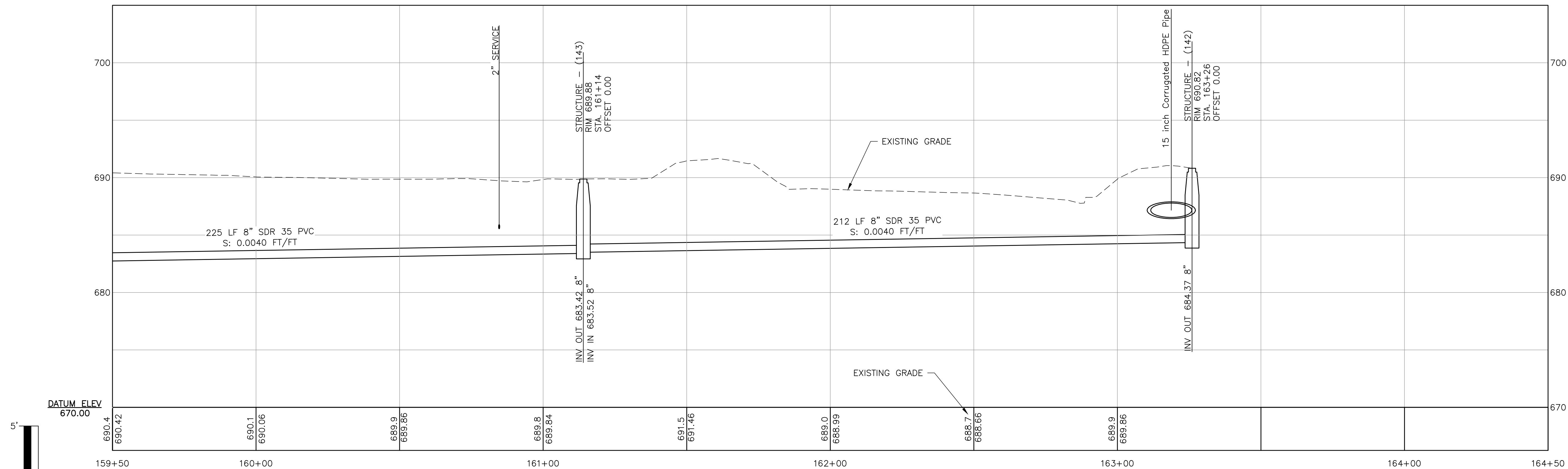
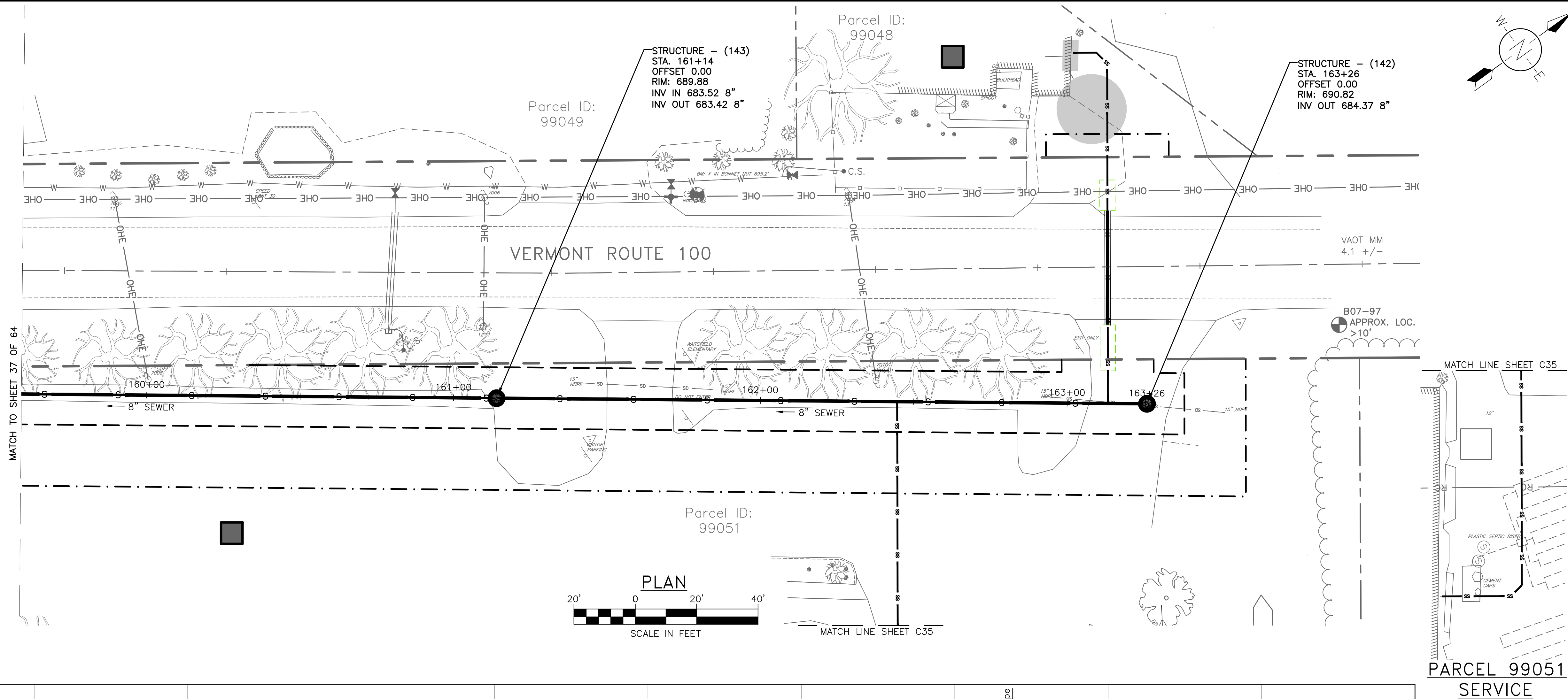
DATE

SHEET NUMBER

C34

SHEET: 37 of 64

I:\2\227947 Waitsfield Water and Wastewater Feasibility Stud\Drawings\Civil\Sheet Breakouts\227947-BD05-30-40.dwg 5/17/2025 9:53 AM



60% DESIGN SET
NOT FOR CONSTRUCTION
5/17/2025

**NOT FOR
CONSTRUCTION
60% DESIGN SET**

REVISIONS	REVISION DESCRIPTION	DATE	NUMBER	BY

CLIENT NAME
TOWN OF
WAITSFIELD

PROJECT NAME
**WAITSFIELD
COMMUNITY
WASTEWATER
SYSTEM**
PROJECT ADDRESS
4144 MAIN STREET
WAITSFIELD, VERMONT 05673

SHEET TITLE

PLAN AND PROFILE

STA 159+50 - 164+50

D&K PROJECT # 227947	PROJ. ENG. JBA
DRAWN BY EBS	CHECKED BY NJS

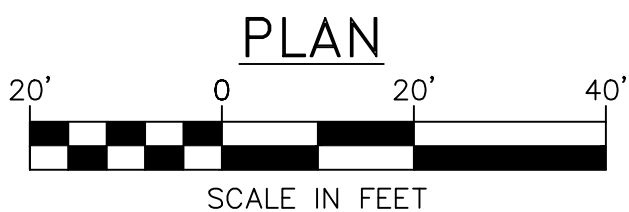
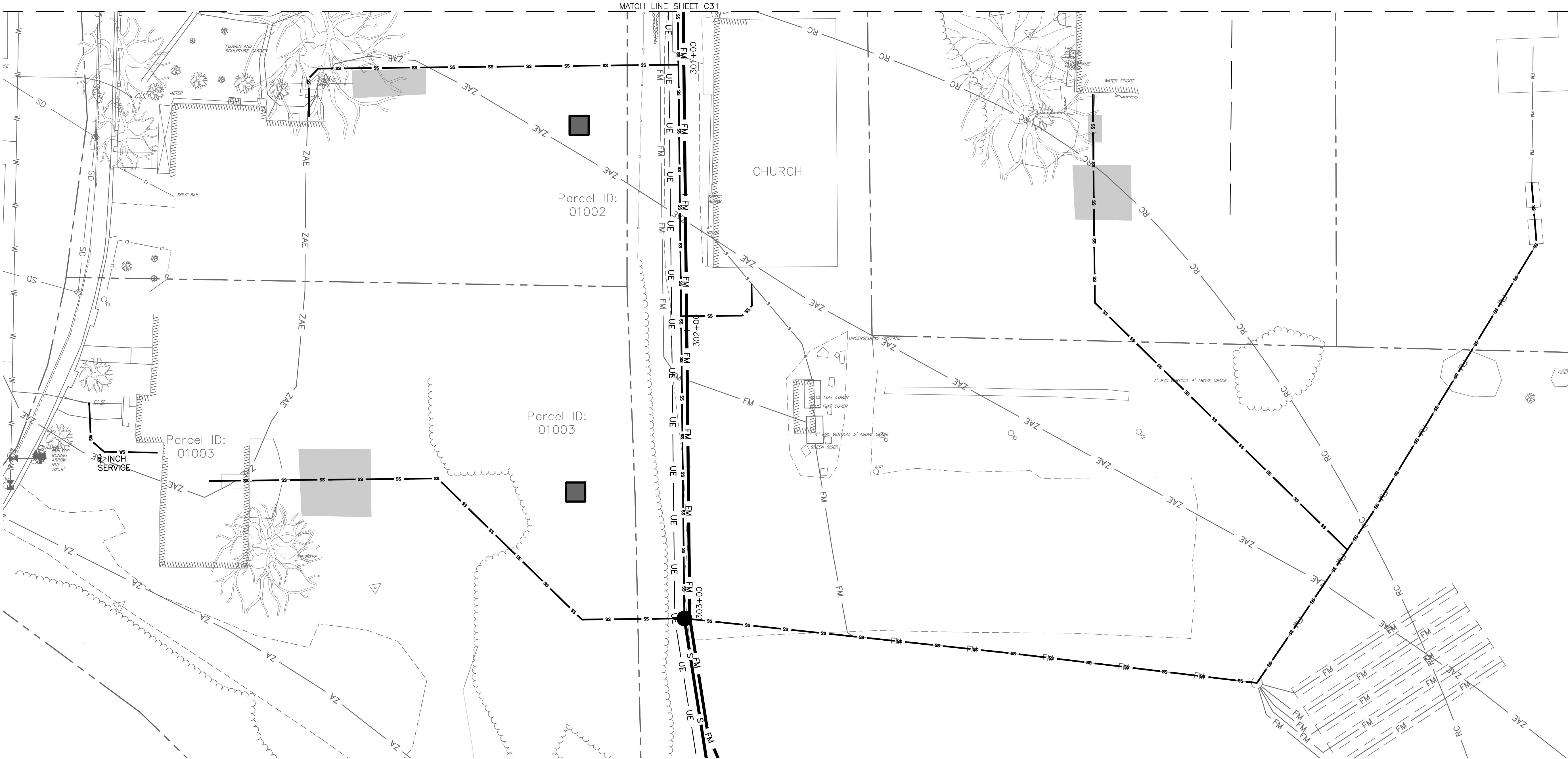
DATE
MAY 17, 2025

SHEET NUMBER

C35

SHEET: 38 of 64

I:\2\227947 Waitfield Water and Wastewater Feasibility Stud\Drawings\Civil\Sheet Breakouts\227947-B05-30-40.dwg 5/17/2025 9:53 AM



PARCEL
99051.200/104000 AND
99051.100 SERVICE

60% DESIGN SET
NOT FOR CONSTRUCTION
5/17/2025



www.dubois-king.com
© Copyright 2024 DuBois & King inc.

NOT FOR
CONSTRUCTION
60% DESIGN SET

REVISIONS		BY	DATE	NUMBER
REVISION DESCRIPTION				

CLIENT NAME
TOWN OF
WAITSFIELD

PROJECT NAME
WAITSFIELD
COMMUNITY
WASTEWATER
SYSTEM
PROJECT ADDRESS
4144 MAIN STREET
WAITSFIELD, VERMONT 05673

SHEET TITLE
PLAN AND PROFILE
SERVICE
EXTENSIONS SHEET 1
OF

D&K PROJECT # 227947	PROJ. ENG. JBA
DRAWN BY EBS	CHECKED BY NJS

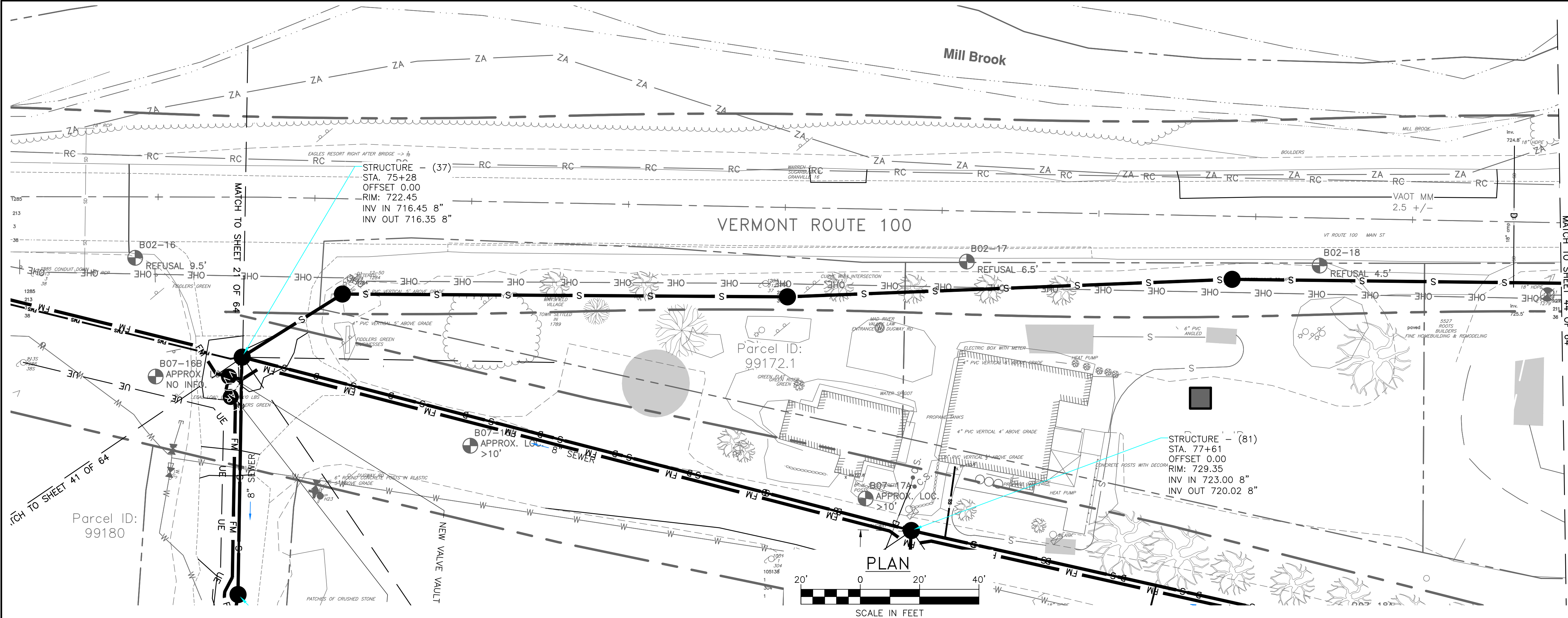
DATE
MAY 17, 2025

SHEET NUMBER

C36

SHEET: 39 of 64

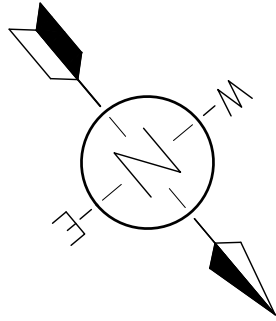
I:\2\227947 Waitsfield Water and Wastewater Feasibility Stud\Drawings\Civil\Sheet Breakouts\227947-B05-BRANCH.dwg 5/17/2025 9:57 AM



PLAN

SCALE IN FEET

PROFILE



**NOT FOR
CONSTRUCTION
60% DESIGN SET**

REVISIONS	BY				
	REVISION DESCRIPTION				
	NUMBER	DATE			

CLIENT NAME
TOWN OF
WAITSFIELD

PROJECT NAME
WAITSFIELD
COMMUNITY
WASTEWATER
SYSTEM
PROJECT ADDRESS
4144 MAIN STREET
WAITSFIELD, VERMONT 05673

SHEET TITLE
PLAN AND PROFILE
IRASVILLE SOUTH
BRANCH 1 OF 2

D&K PROJECT # 227947	PROJ. ENG. JBA
DRAWN BY EBS	CHECKED BY NJS

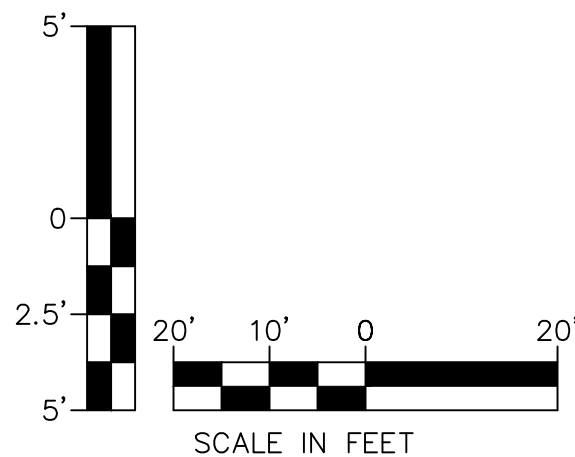
DATE
MAY 17, 2025

SHEET NUMBER

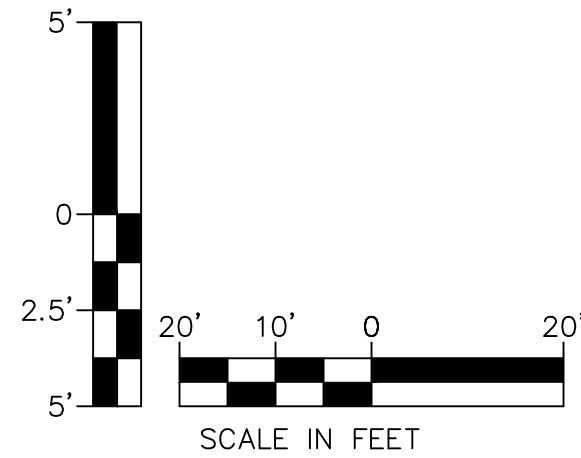
C38

SHEET: 43 of 64

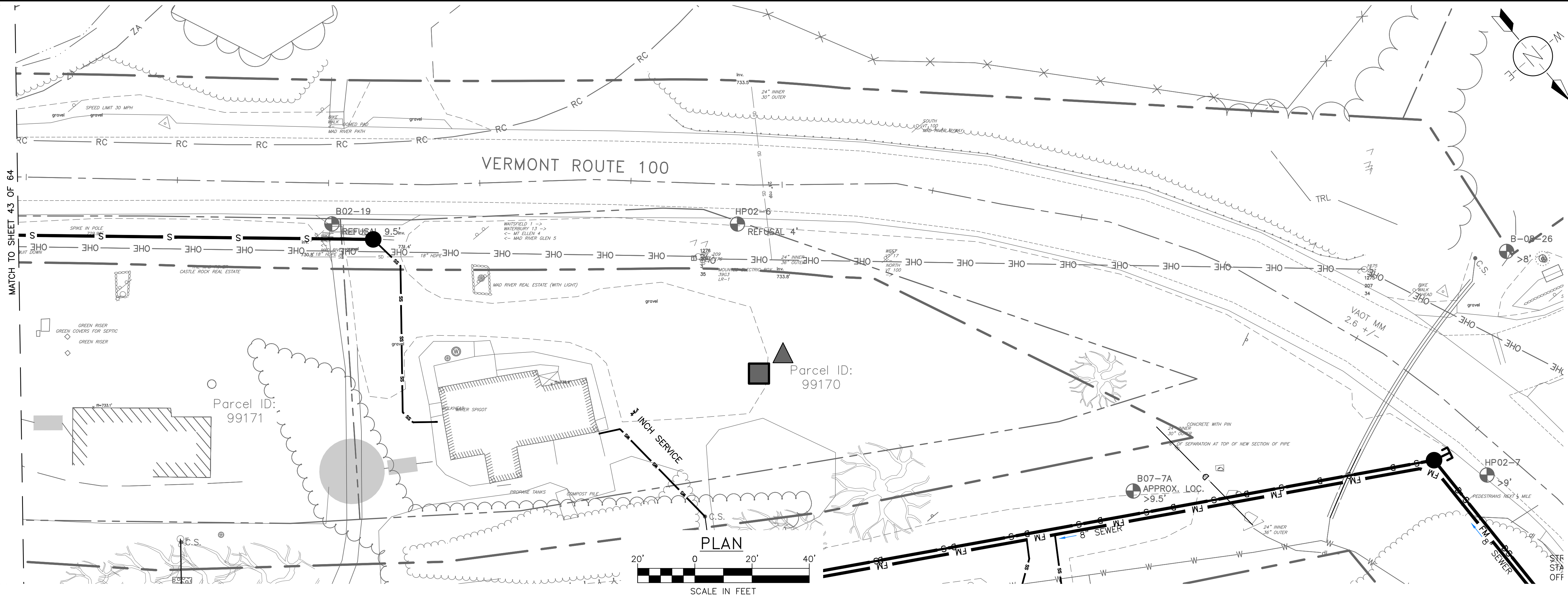
60% DESIGN SET
NOT FOR CONSTRUCTION
5/17/2025



I:\2\227947 Waitsfield Water and Wastewater Feasibility Stud\Drawings\Civil\Sheet Breakouts\227947-BD5-BRANCH.dwg 5/17/2025 9:57 AM



PROFILE



DuBois & King inc.

www.dubois-king.com

© Copyright 2024 DuBois & King inc.

NOT FOR CONSTRUCTION
60% DESIGN SET

REVISIONS	
NUMBER	DATE

CLIENT NAME
TOWN OF
WAITSFIELD

PROJECT NAME
WAITSFIELD
COMMUNITY
WASTEWATER
SYSTEM

PROJECT ADDRESS
4144 MAIN STREET
WAITSFIELD, VERMONT 05673

SHEET TITLE
PLAN AND PROFILE
IRASVILLE SOUTH
BRANCH 2 OF 2

D&K PROJECT # 227947	PROJ. ENG. JBA
DRAWN BY EBS	CHECKED BY NJS

DATE
MAY 17, 2025

SHEET NUMBER
C39

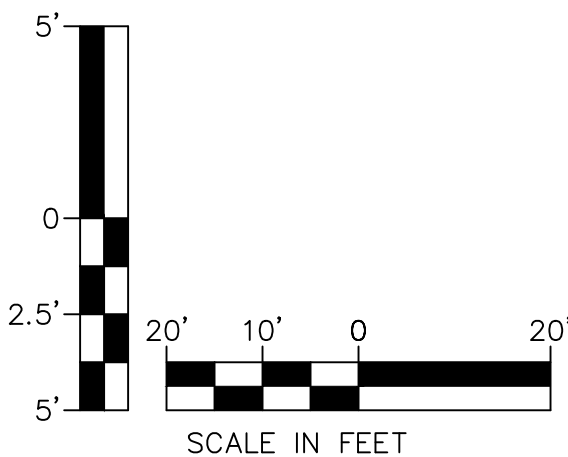
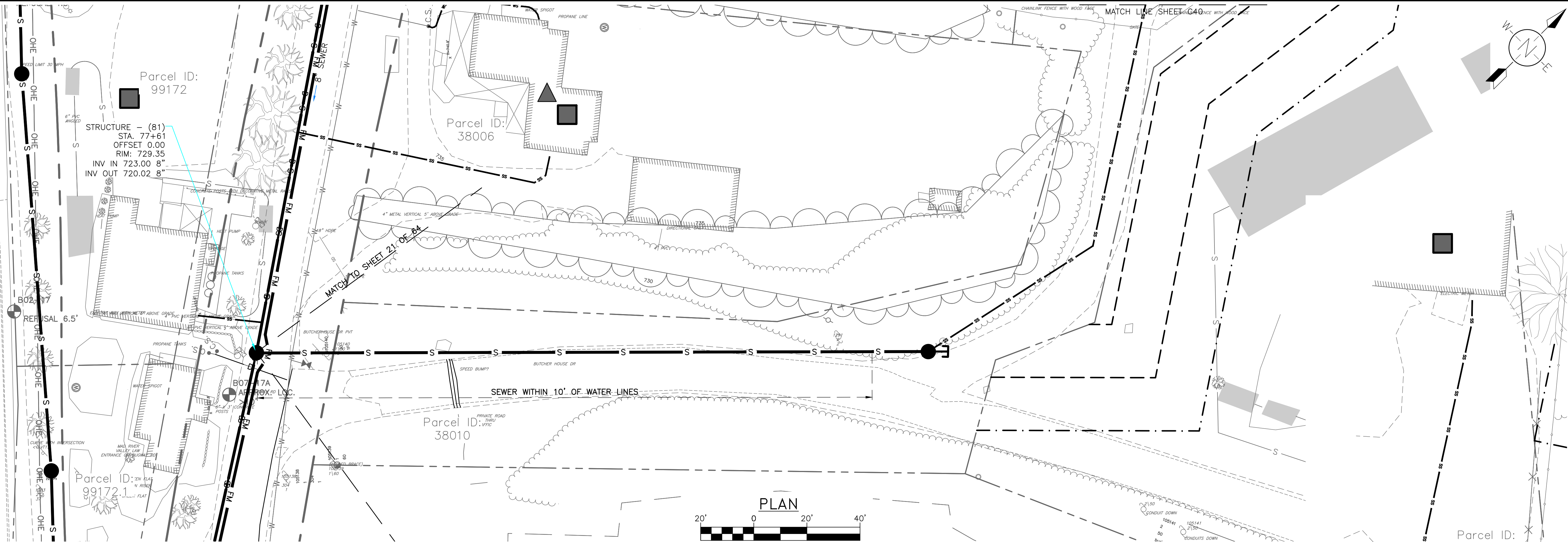
SHEET: 44 of 64

60% DESIGN SET

NOT FOR CONSTRUCTION

5/17/2025

I:\2\227947 Waitsfield Water and Wastewater Feasibility Stud\Drawings\Civil\Sheet Breakouts\227947-BDS-BRANCH.dwg 5/17/2025 9:58 AM



PROFILE

60% DESIGN SET
NOT FOR CONSTRUCTION
5/17/2025

www.dubois-king.com
© Copyright 2024 DuBois & King inc.

NOT FOR CONSTRUCTION
60% DESIGN SET

REVISIONS		BY	
NUMBER	DATE	REVISION DESCRIPTION	

CLIENT NAME
TOWN OF
WAITSFIELD

PROJECT NAME
WAITSFIELD
COMMUNITY
WASTEWATER
SYSTEM

PROJECT ADDRESS
4144 MAIN STREET
WAITSFIELD, VERMONT 05673

SHEET TITLE

PLAN AND PROFILE

BUTCHER HOUSE
DRIVE

D&K PROJECT # 227947	PROJ. ENG. JBA
DRAWN BY EBS	CHECKED BY NJS

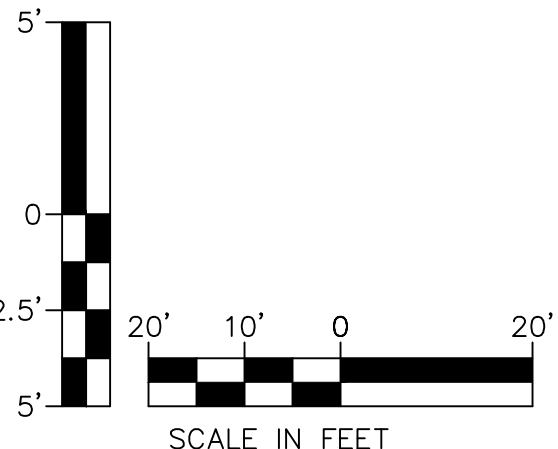
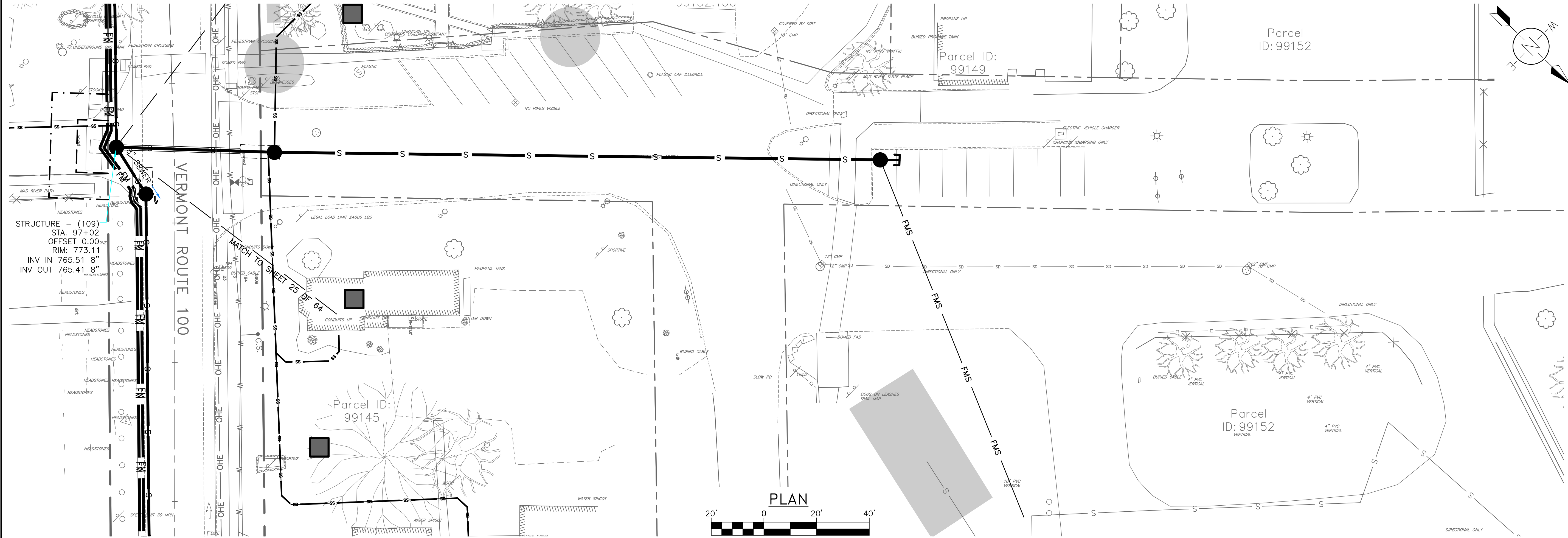
DATE
MAY 17, 2025

SHEET NUMBER

C40

SHEET: 45 of 64

I:\2\227947 Waitsfield Water and Wastewater Feasibility Stud\Drawings\Civil\Sheet Breakouts\227947-BDE-BRANCH.dwg 5/17/2025 9:58 AM



PROFILE

60% DESIGN SET
NOT FOR CONSTRUCTION

5/17/2025

NOT FOR
CONSTRUCTION
60% DESIGN SET

REVISIONS		BY					
REVISION DESCRIPTION							
NUMBER	DATE						

CLIENT NAME
TOWN OF
WAITSFIELD

PROJECT NAME
WAITSFIELD
COMMUNITY
WASTEWATER
SYSTEM
PROJECT ADDRESS
4144 MAIN STREET
WAITSFIELD, VERMONT 05673

SHEET TITLE
PLAN AND PROFILE
MAD RIVER GREEN
BRANCH

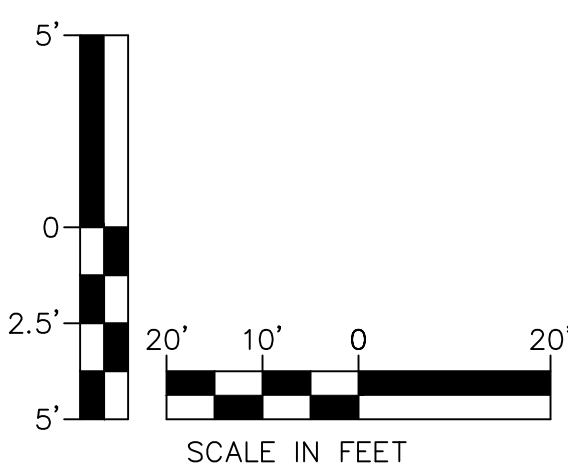
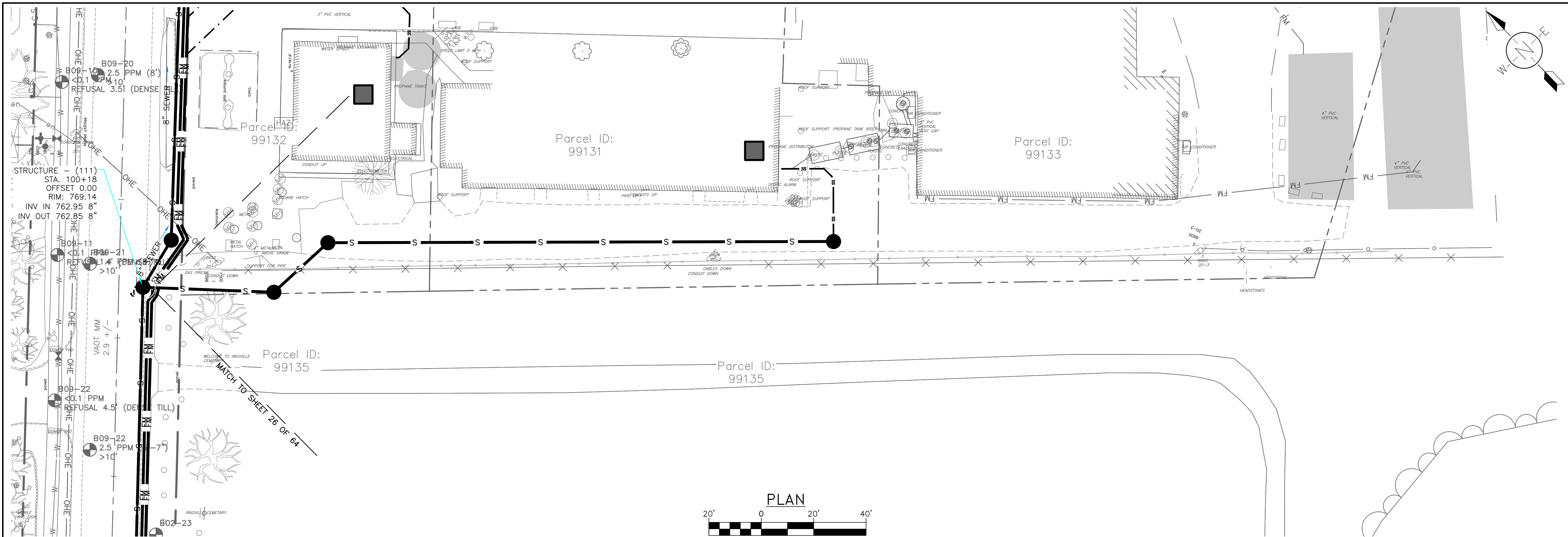
D&K PROJECT # 227947	PROJ. ENG. JBA
DRAWN BY EBS	CHECKED BY NJS

DATE
MAY 17, 2025

SHEET NUMBER

C42

SHEET: 47 of 64



PROFILE

60% DESIGN SET
NOT FOR CONSTRUCTION

5/17/2025

**DuBois
& King inc.**

www.dubois-king.com
© Copyright 2024 DuBois & King inc.

**NOT FOR
CONSTRUCTION
60% DESIGN SET**

[illegible]

CLIENT NAME
TOWN OF
WAITSFIELD

PROJECT NAME
WAITSFIELD
COMMUNITY
WASTEWATER
SYSTEM
PROJECT ADDRESS
4144 MAIN STREET
WAITSFIELD, VERMONT 05673

SHEET TITLE

PLAN AND PROFILE

CEMETERY BRANCH

D&K PROJECT # 227947	PROJ. ENG. JBA
DRAWN BY EBS	CHECKED BY NJS

DATE	MAY 17, 2025
------	--------------

SHEET NUMBER

C43

SHEET: 48 of 64

CLIENT NAME
TOWN OF
WAITSFIELD

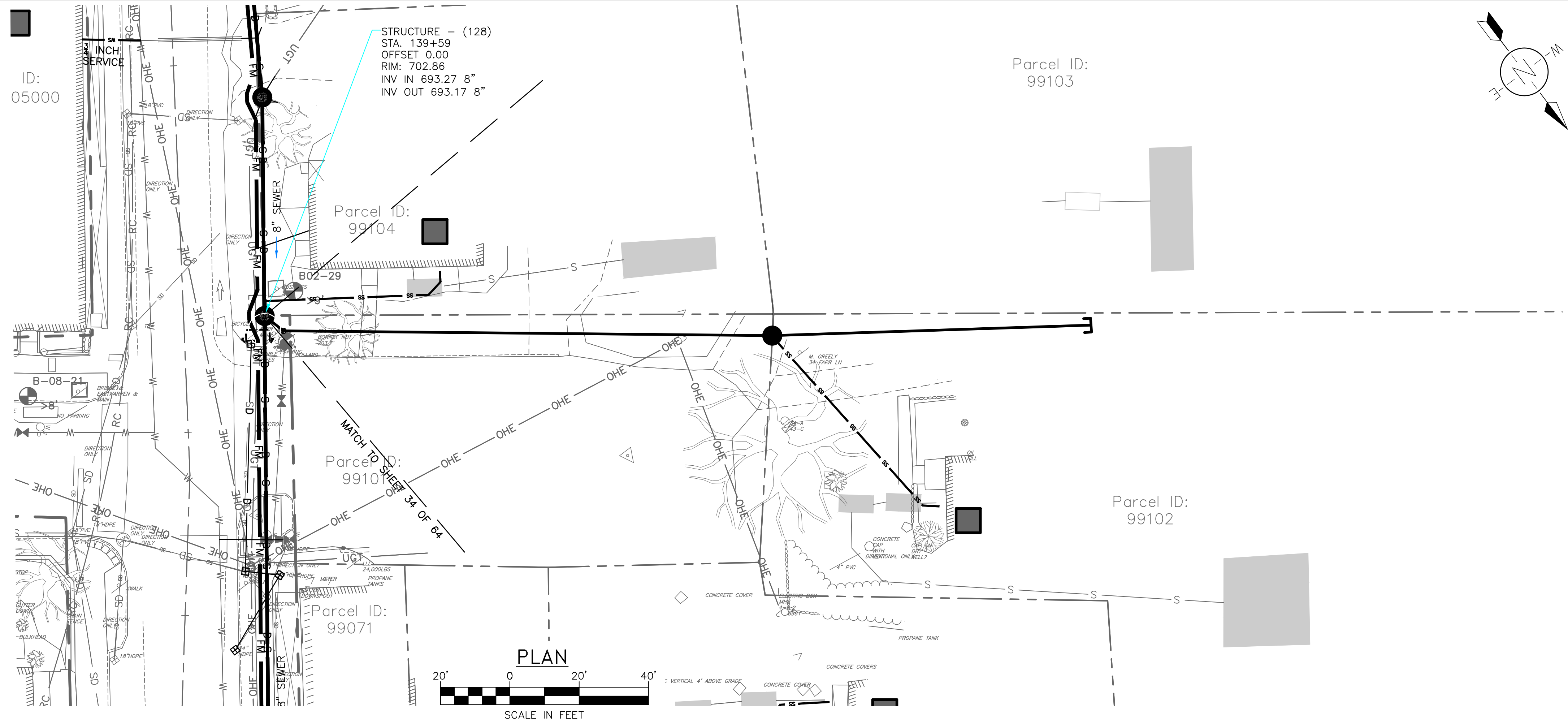
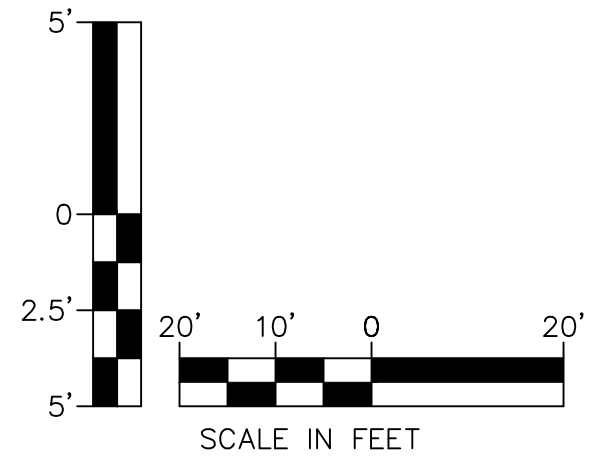
PROJECT ADDRESS
4144 MAIN STREET
WAITSFIELD, VERMONT 05673

D&K PROJECT # 227947	PROJ. ENG. JBA
DRAWN BY EBS	CHECKED BY NJS

C44



I:\2\227947 Waitsfield Water and Wastewater Feasibility Stud\Drawings\Civil\Sheet Breakouts\227947-BDE-BRANCH.dwg 5/17/2025 10:00 AM



PLAN

SCALE IN FEET

PROFILE

60% DESIGN SET
NOT FOR CONSTRUCTION

5/17/2025

**NOT FOR
CONSTRUCTION
60% DESIGN SET**

REVISIONS							
REVISION DESCRIPTION		BY					
		DATE					
		NUMBER					

CLIENT NAME
TOWN OF
WAITSFIELD

PROJECT NAME
**WAITSFIELD
COMMUNITY
WASTEWATER
SYSTEM**
PROJECT ADDRESS
4144 MAIN STREET
WAITSFIELD, VERMONT 05673

SHEET TITLE

PLAN AND PROFILE

FARR LANE BRANCH

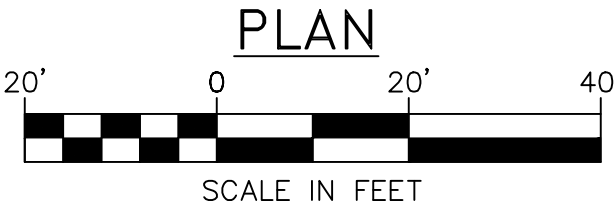
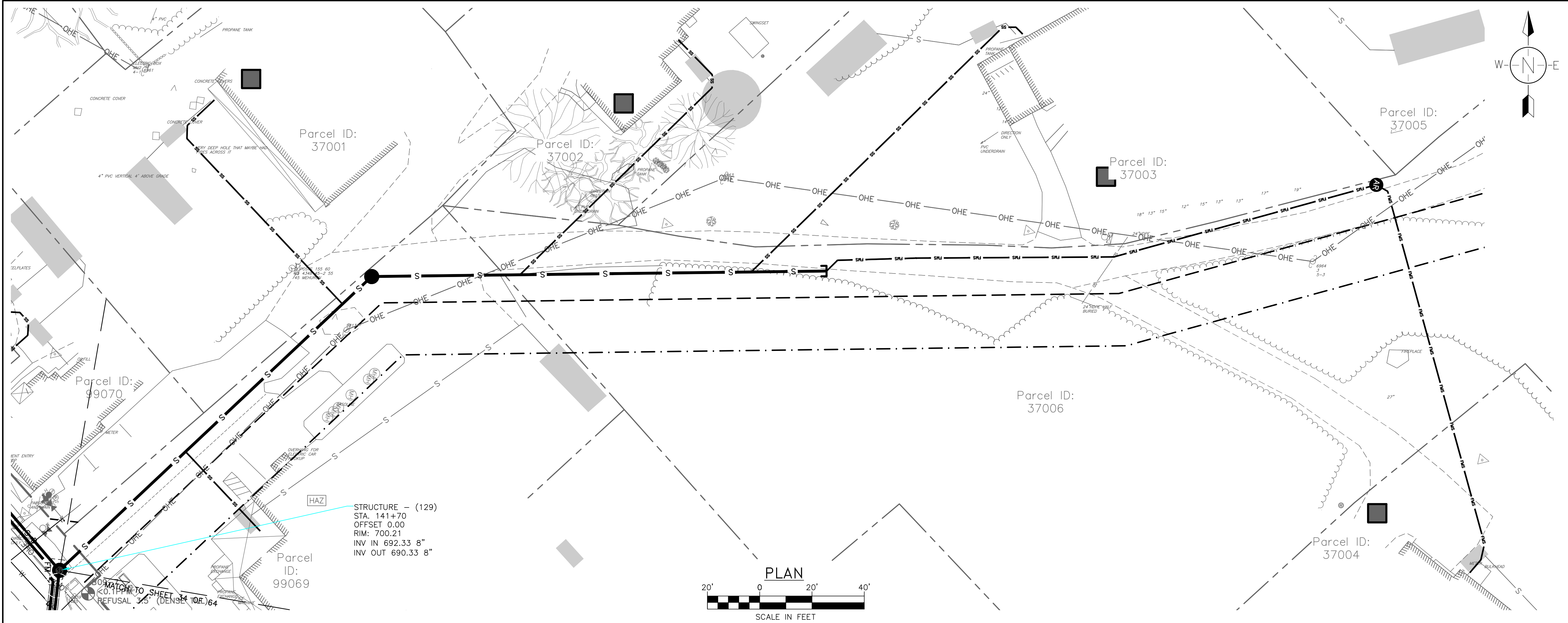
D&K PROJECT # 227947	PROJ. ENG. JBA
DRAWN BY EBS	CHECKED BY NJS

DATE
MAY 17, 2025

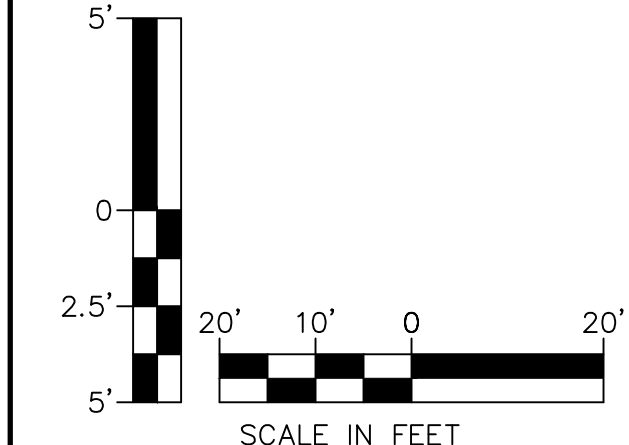
SHEET NUMBER

C45

SHEET: 50 of 64



PROFILE



60% DESIGN SET
NOT FOR CONSTRUCTION
5/17/2025

**NOT FOR CONSTRUCTION
60% DESIGN SET**

REVISIONS	REVISION DESCRIPTION	DATE	NUMBER	BY

CLIENT NAME
TOWN OF
WAITSFIELD

PROJECT NAME
WAITSFIELD
COMMUNITY
WASTEWATER
SYSTEM
PROJECT ADDRESS
4144 MAIN STREET
WAITSFIELD, VERMONT 05673

SHEET TITLE
PLAN AND PROFILE
PARSONAGE LANE
BRANCH

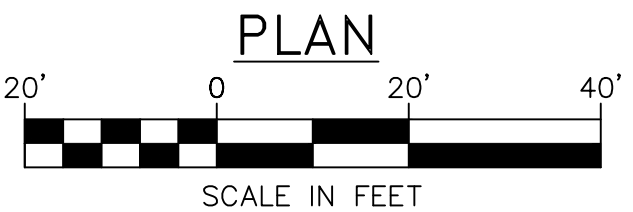
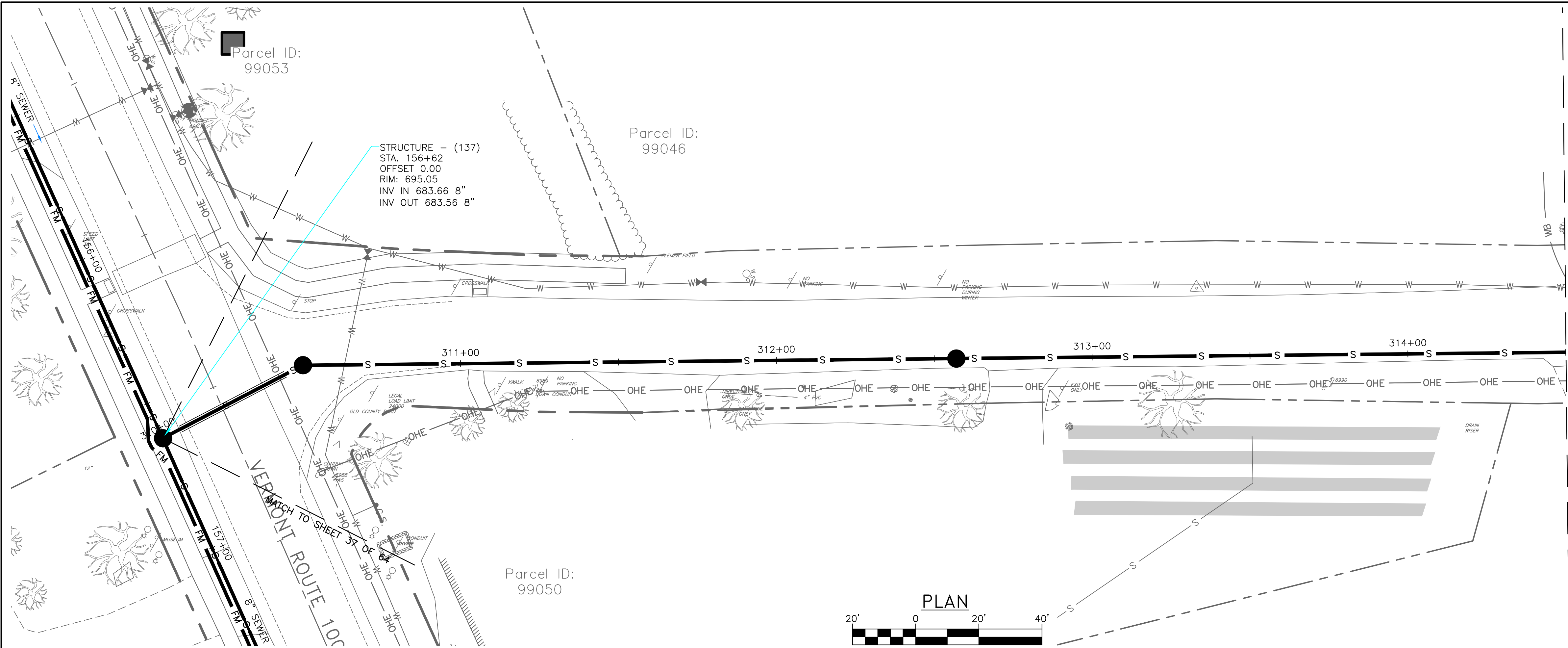
D&K PROJECT # 227947	PROJ. ENG. JBA
DRAWN BY EBS	CHECKED BY NJS

DATE
MAY 17, 2025

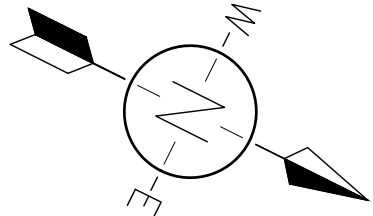
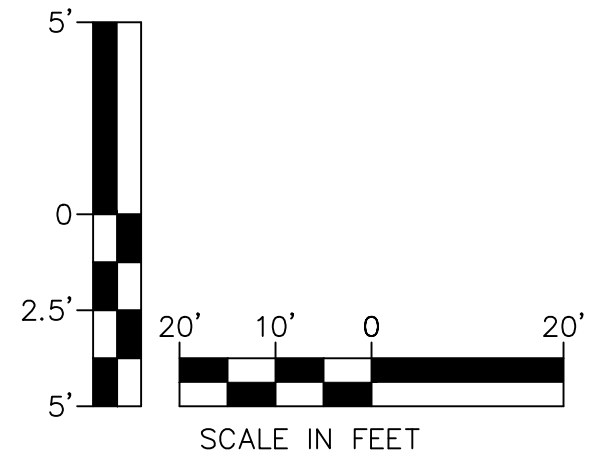
SHEET NUMBER

C46

I:\2\227947 Waitsfield Water and Wastewater Feasibility Stud\Drawings\Civil\Sheet Breakouts\227947-BDE-BRANCH-2.dwg 5/17/2025 10:01 AM



PROFILE



NOT FOR CONSTRUCTION
60% DESIGN SET

REVISIONS							
NUMBER	DATE	REVISION DESCRIPTION					

CLIENT NAME
TOWN OF
WAITSFIELD

PROJECT NAME
WAITSFIELD
COMMUNITY
WASTEWATER
SYSTEM

PROJECT ADDRESS
4144 MAIN STREET
WAITSFIELD, VERMONT 05673

SHEET TITLE

PLAN AND PROFILE

OLD COUNTY ROAD
1 OF 2

D&K PROJECT # 227947	PROJ. ENG. JBA
DRAWN BY EBS	CHECKED BY NJS

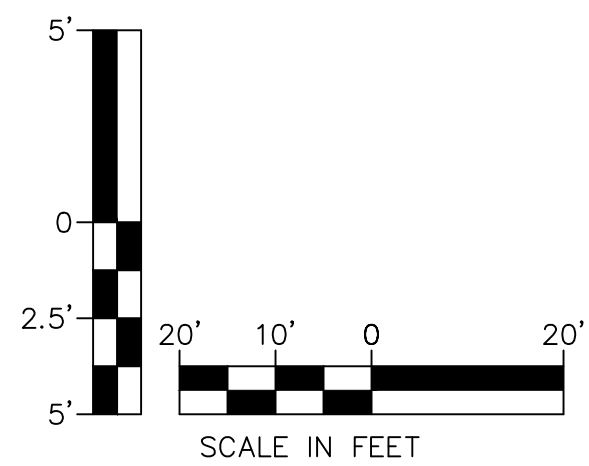
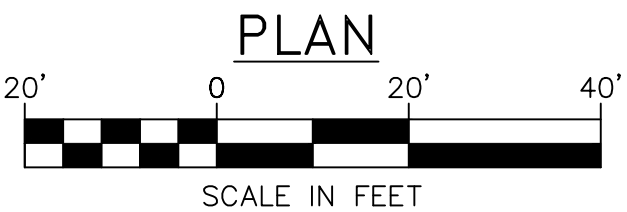
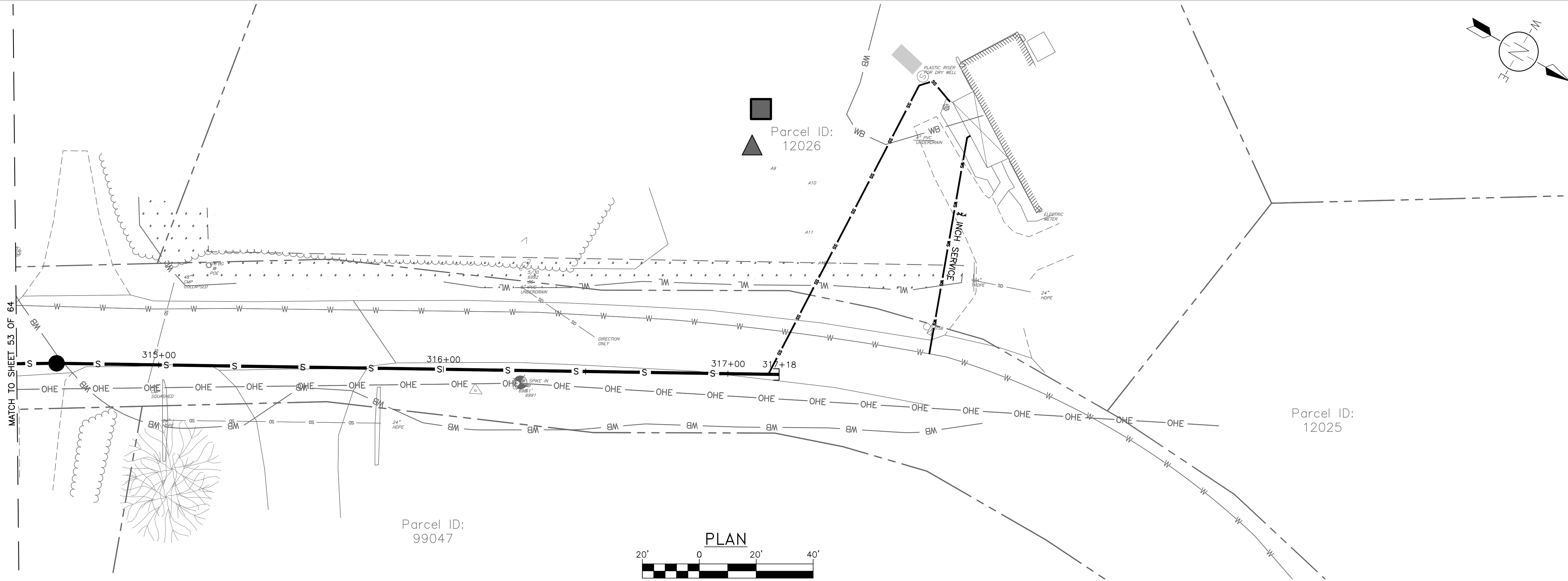
DATE
MAY 17, 2025

SHEET NUMBER

C48

SHEET: 53 of 64

I:\2\227947 Waitsfield Water and Wastewater Feasibility Stud\Drawings\Civil\Sheet Breakouts\227947-BDE-BRANCH-2.dwg 5/17/2025 10:01 AM



PROFILE

60% DESIGN SET
NOT FOR CONSTRUCTION
5/17/2025

DuBois & King inc.

www.dubois-king.com

© Copyright 2024 DuBois & King inc.

NOT FOR CONSTRUCTION
60% DESIGN SET

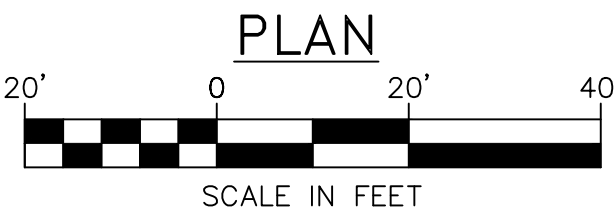
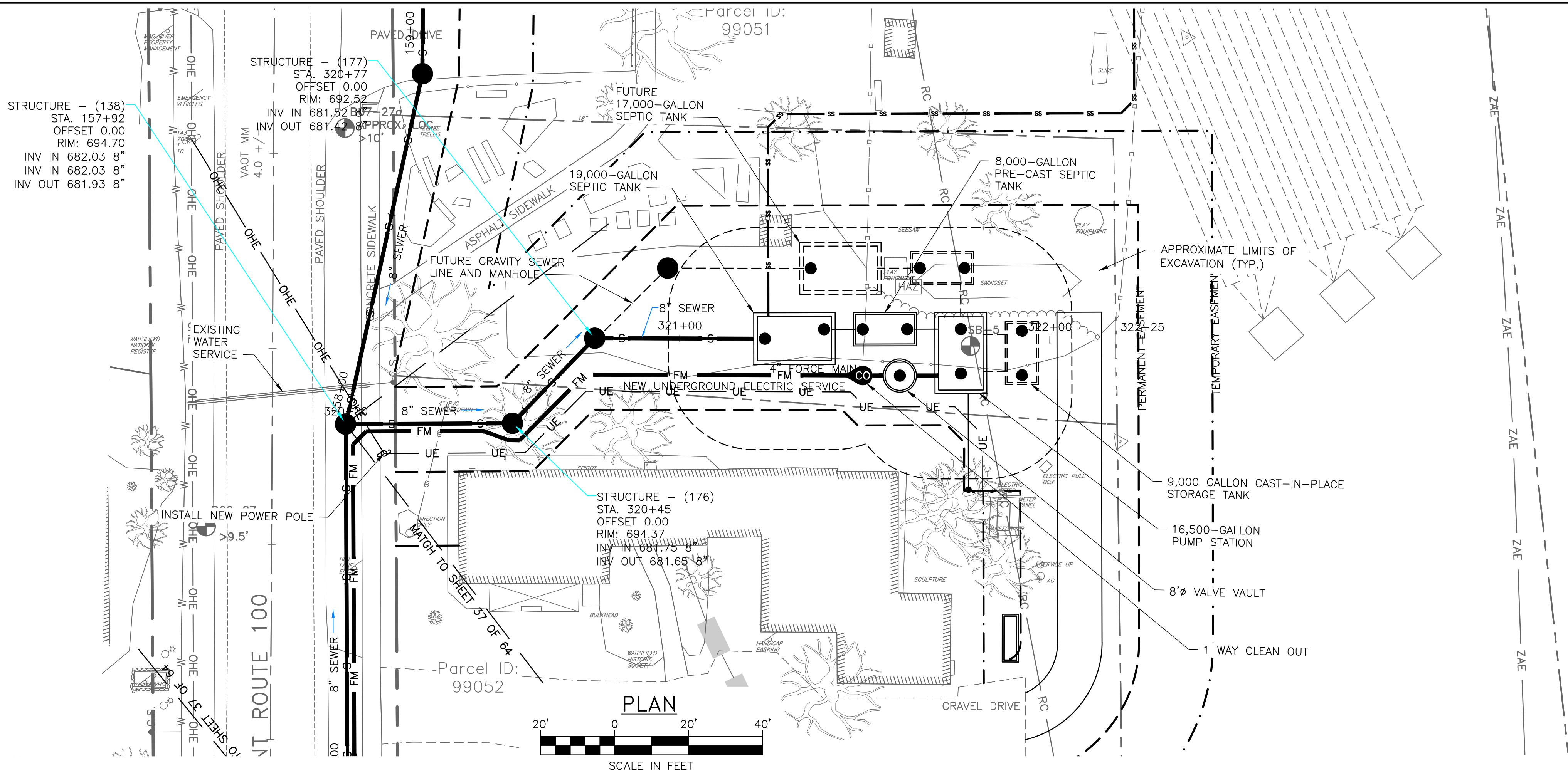
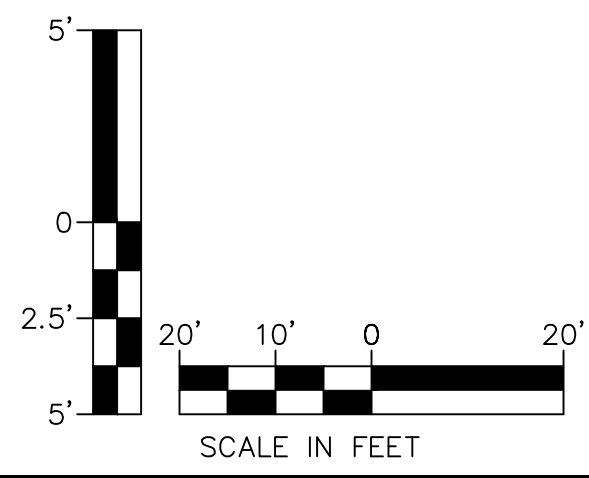
REVISIONS	
NUMBER	DATE

CLIENT NAME
TOWN OF
WAITSFIELD

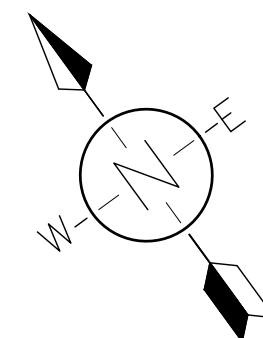
PROJECT NAME
WAITSFIELD
COMMUNITY
WASTEWATER
SYSTEM
PROJECT ADDRESS
4144 MAIN STREET
WAITSFIELD, VERMONT 05673

SHEET TITLE	
PLAN AND PROFILE OLD COUNTY ROAD 2 OF 2	
D&K PROJECT # 227947	PROJ. ENG. JBA
DRAWN BY EBS	CHECKED BY NJS
DATE MAY 17, 2025	
SHEET NUMBER C49	
SHEET: 54 of 64	

I:\2\227947 Waitsfield Water and Wastewater Feasibility Stud\Drawings\Civil\Sheet Breakouts\227947-BD05-BRANCH-2.dwg 5/17/2025 10:01 AM



PROFILE



**NOT FOR CONSTRUCTION
60% DESIGN SET**

REVISIONS		BY					
REVISION DESCRIPTION							
NUMBER	DATE						

CLIENT NAME
TOWN OF
WAITSFIELD

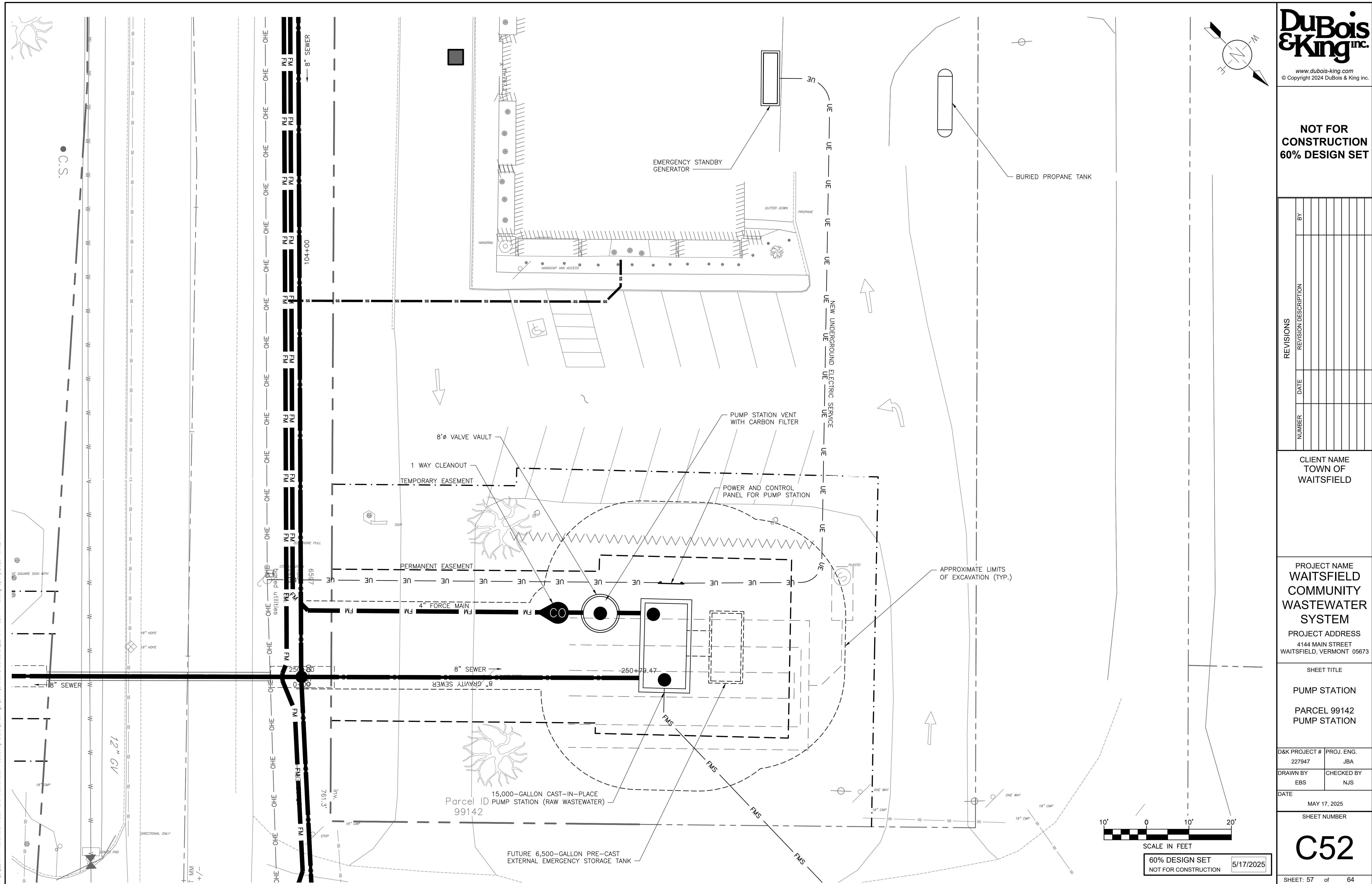
PROJECT NAME
**WAITSFIELD
COMMUNITY
WASTEWATER
SYSTEM**
PROJECT ADDRESS
4144 MAIN STREET
WAITSFIELD, VERMONT 05673

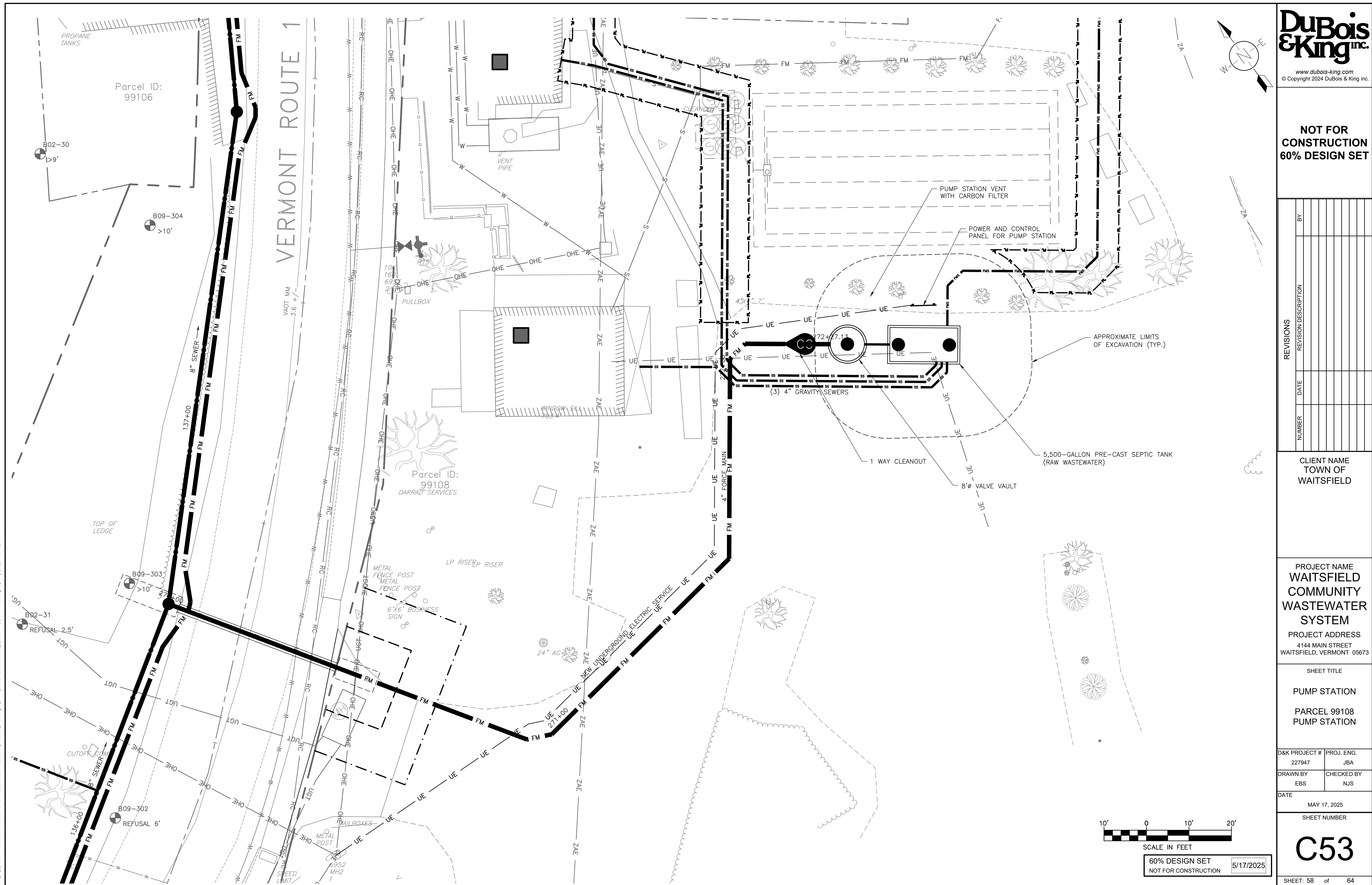
SHEET TITLE
PLAN AND PROFILE
**MAIN PUMP
STATION BRANCH**

D&K PROJECT # 227947	PROJ. ENG. JBA
DRAWN BY EBS	CHECKED BY NJS

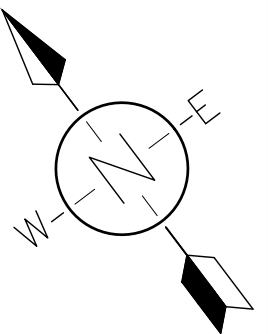
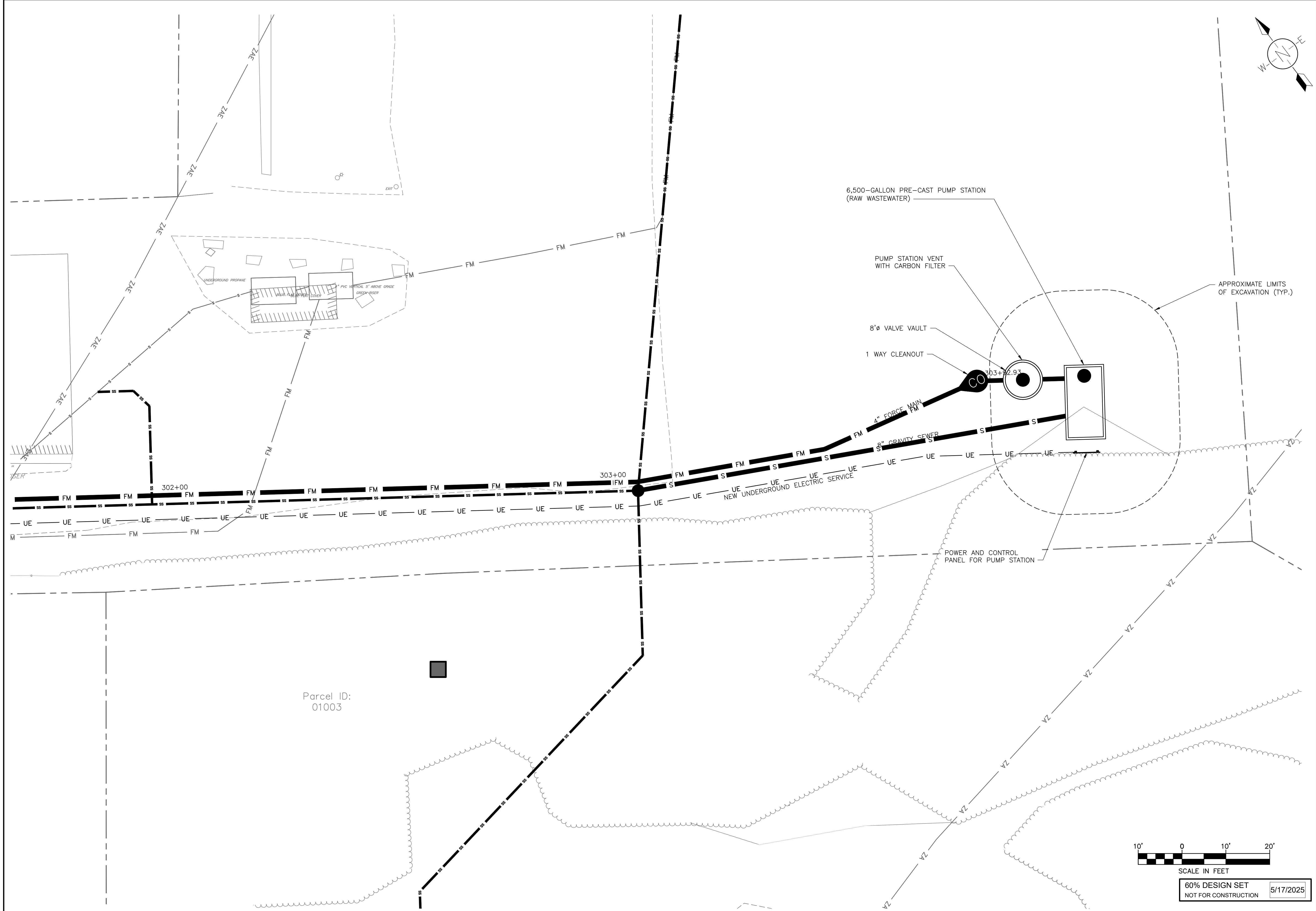
DATE
MAY 17, 2025

SHEET NUMBER
C50
SHEET: 55 of 64





I:\2\227947 Waitsfield Water and Wastewater Feasibility Stud\Drawings\Civil\Sheet Breakouts\227947-BD05-P-SDwg 5/17/2025 10:03 AM



DuBois & King inc.

www.dubois-king.com
© Copyright 2024 DuBois & King inc.

**NOT FOR
CONSTRUCTION
60% DESIGN SET**

REVISIONS	REVISION DESCRIPTION					
	BY					
	DATE					
	NUMBER					

CLIENT NAME
TOWN OF
WAITSFIELD

PROJECT NAME
WAITSFIELD
COMMUNITY
WASTEWATER
SYSTEM

PROJECT ADDRESS
4144 MAIN STREET
WAITSFIELD, VERMONT 05673

SHEET TITLE

PUMP STATION

PARCEL 99072
PUMP STATION

D&K PROJECT # 227947	PROJ. ENG. JBA
DRAWN BY EBS	CHECKED BY NJS

DATE
MAY 17, 2025

SHEET NUMBER

C54

SHEET: 59 of 64

CLIENT NAME
TOWN OF
WAITSFIELD

SHEET TITLE

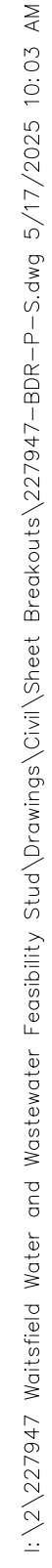
PUMP STATION

PARCEL 99052

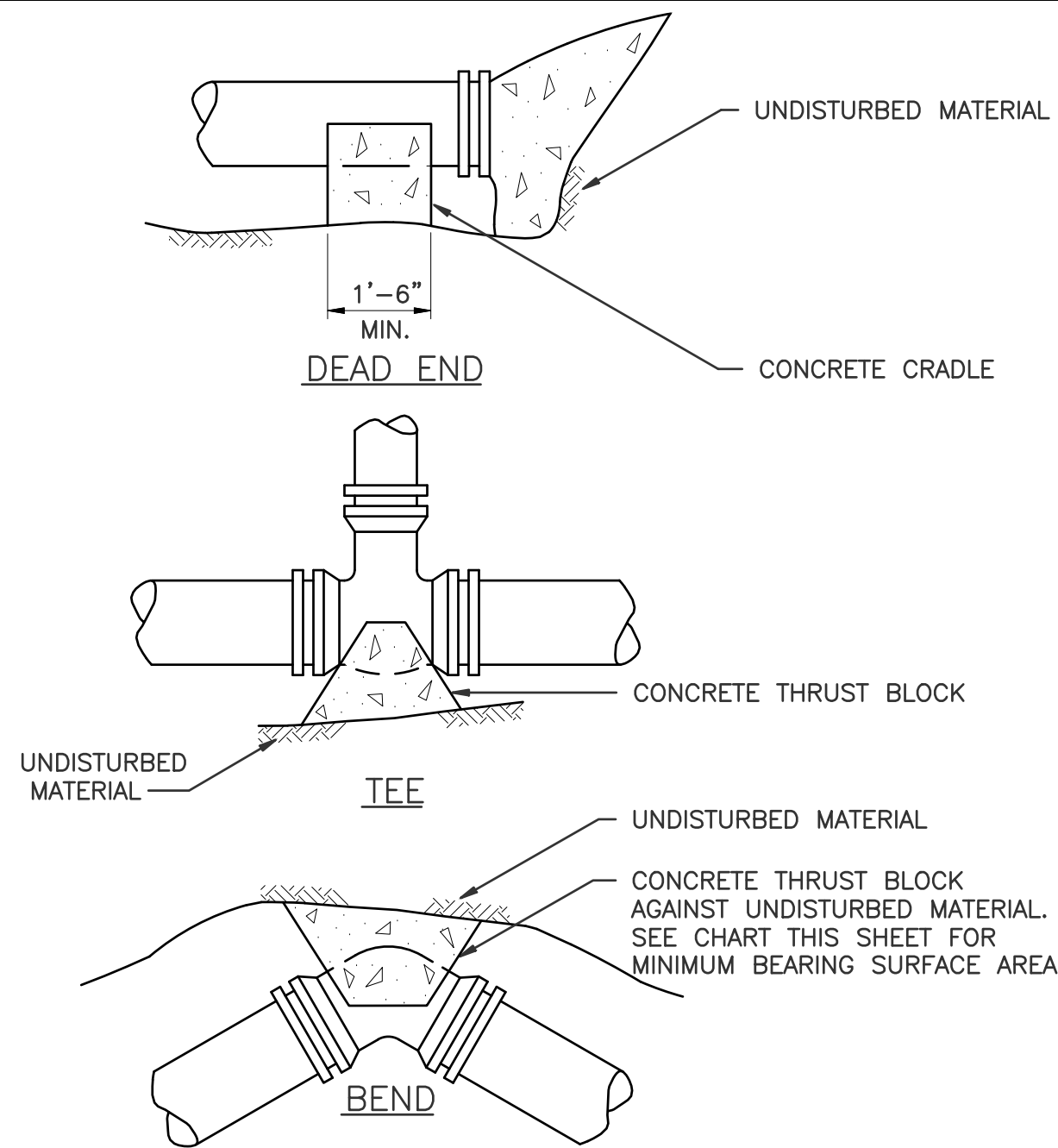
PUMP STATION

DATE MAY 17, 2025

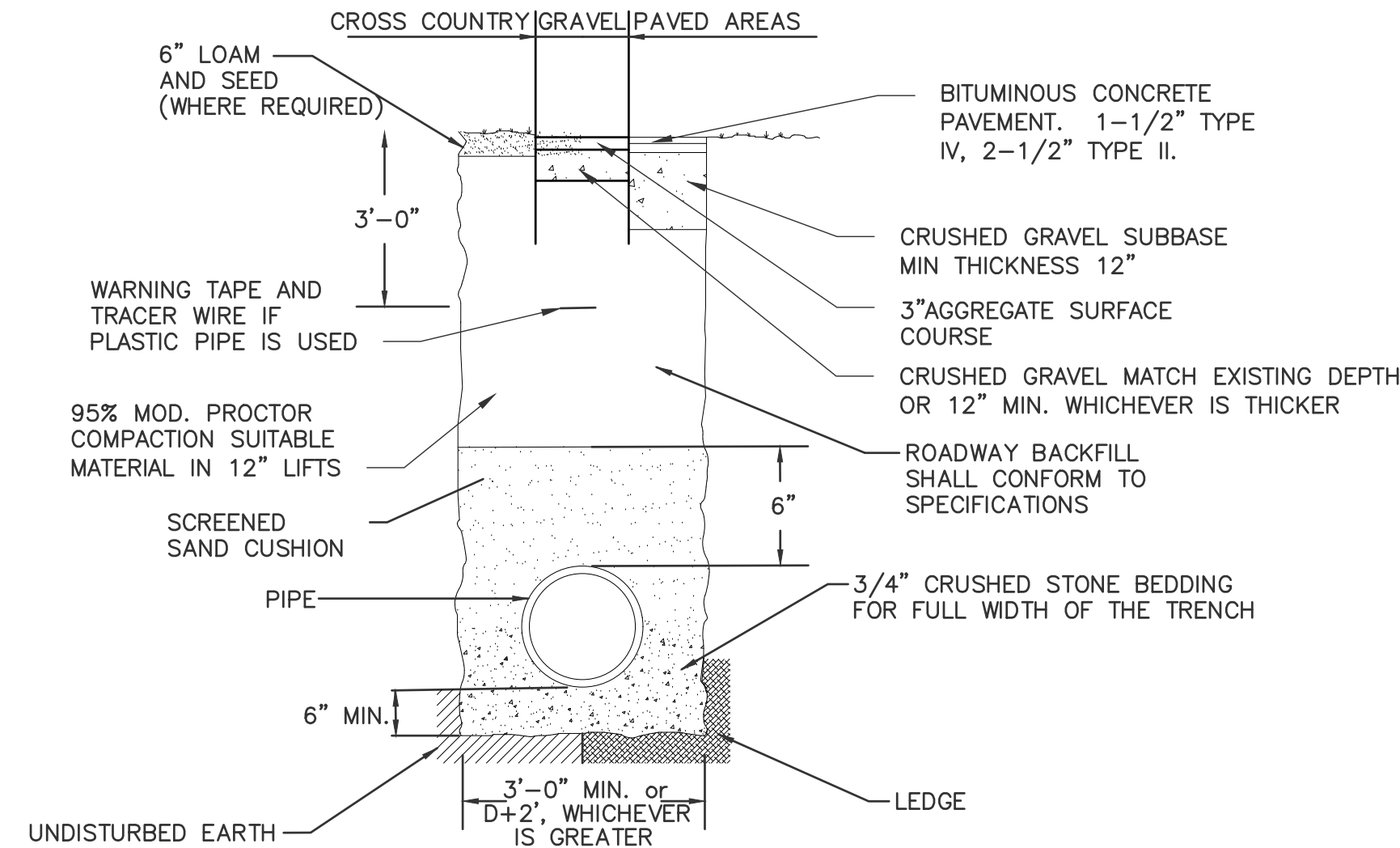
C55



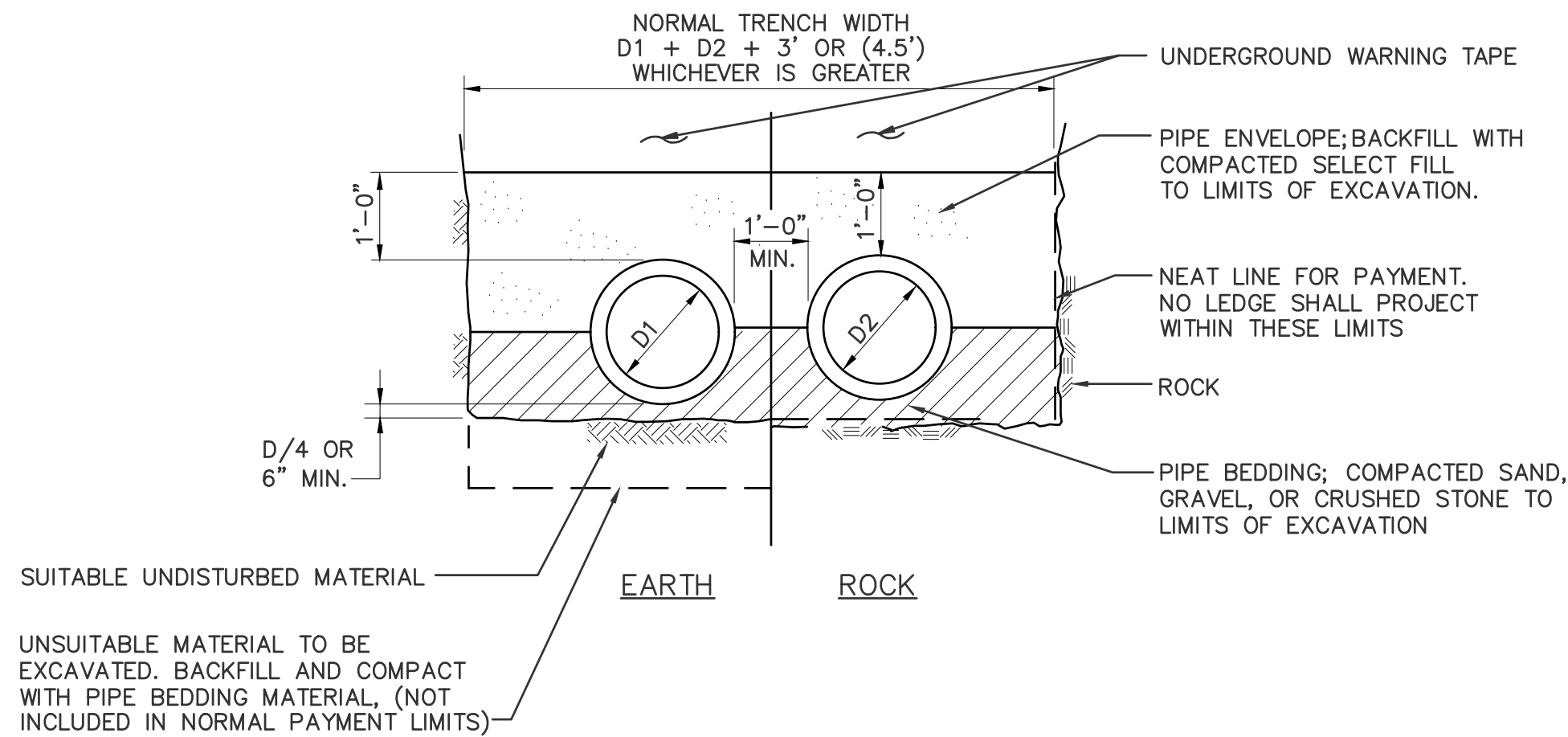
I:\2\227947 Waitsfield Water and Wastewater Feasibility Stud\Drawings\Civil\227947-0101.dwg 5/17/2025 10:03 AM



CONCRETE THRUST BLOCK DETAILS
NOT TO SCALE



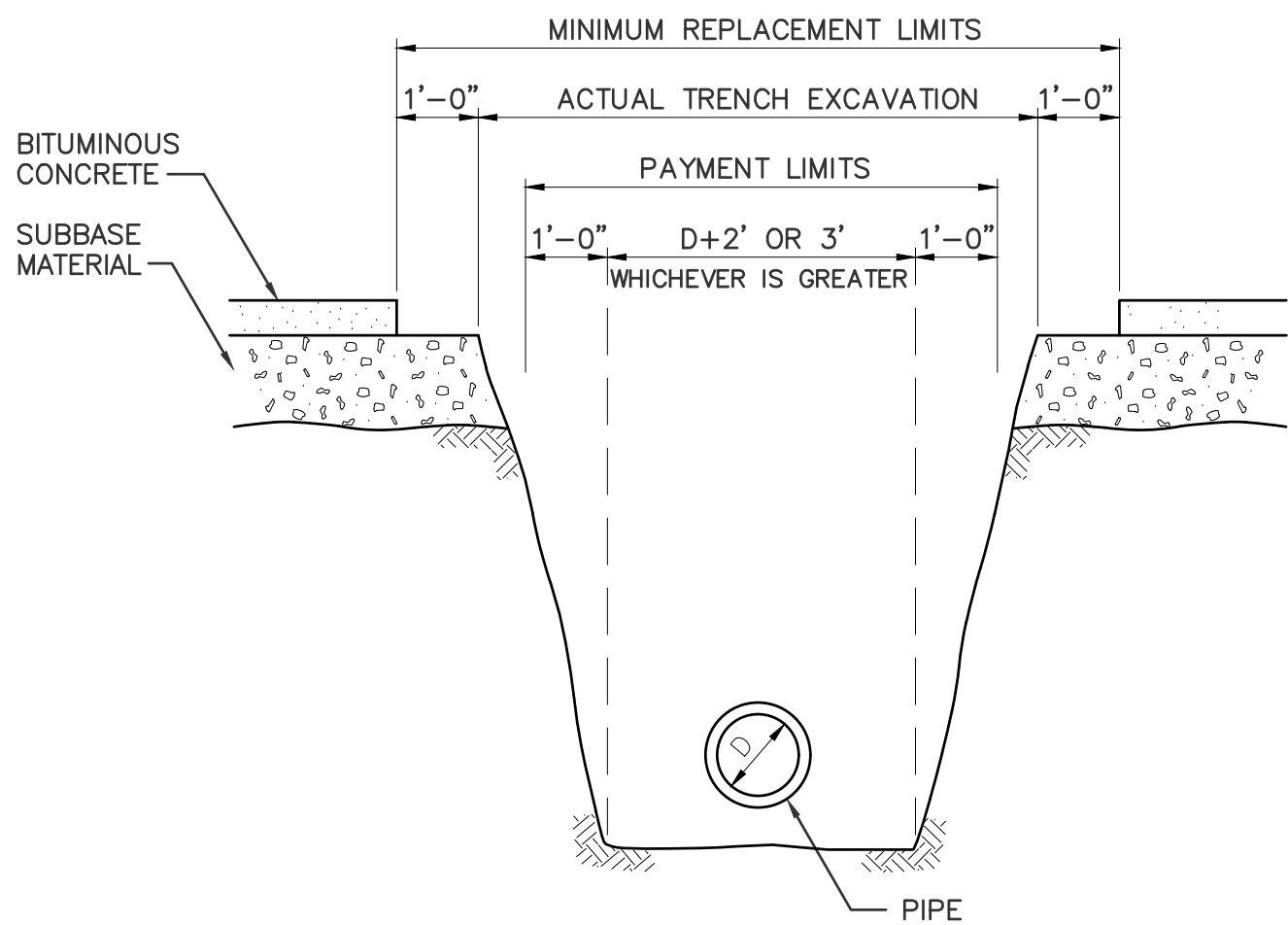
TYPICAL TRENCH DETAIL
NOT TO SCALE



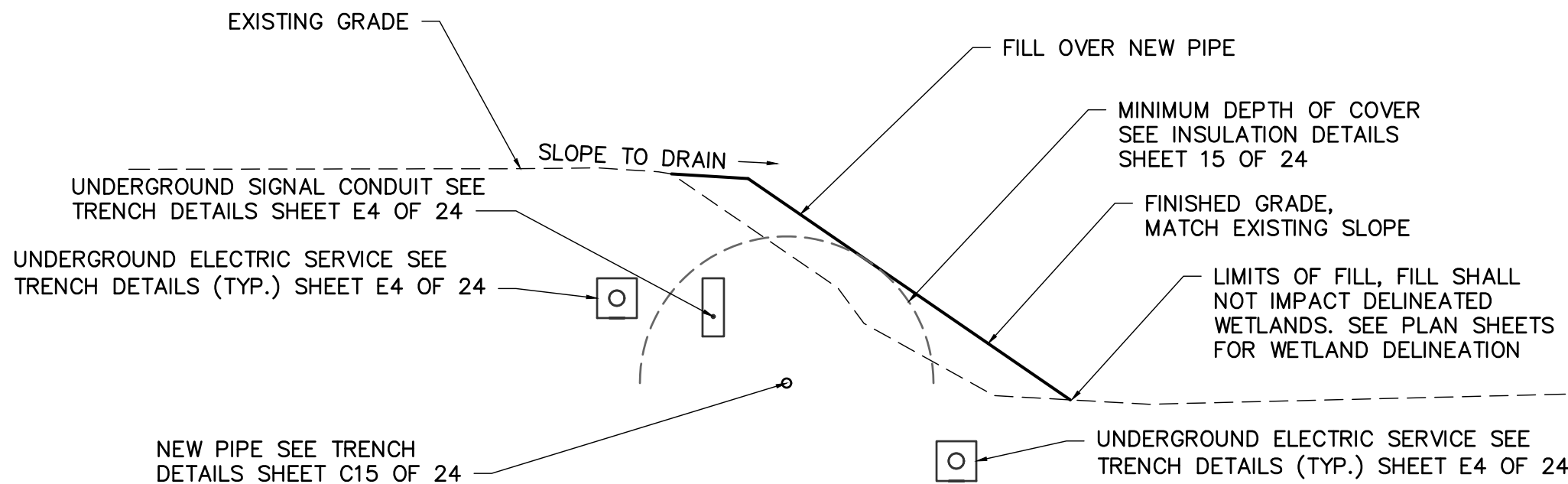
PARALLEL PIPE INSTALLATION SECTION
NOT TO SCALE

AREA OF BEARING FACE OF CONCRETE THRUST BLOCKS IN SQUARE FEET			
PIPE SIZE (IN)	SOFT WET CLAY, SAND OR SILT	DRY SAND	COMPACT COARSE SAND OR GRAVEL HARDPAN
SOIL BEARING CAPACITIES (APPROXIMATE)			
1,250 lbs/ft ²			
4,000 lbs/ft ²			
6,000 lbs/ft ²			
DEAD END OR TEE			
8 OR LESS	15	5	4
1/4 BEND			
8 OR LESS	21	7	5
1/8 BEND			
8 OR LESS	12	4	3
1/16 BEND			
8 OR LESS	6	2	2

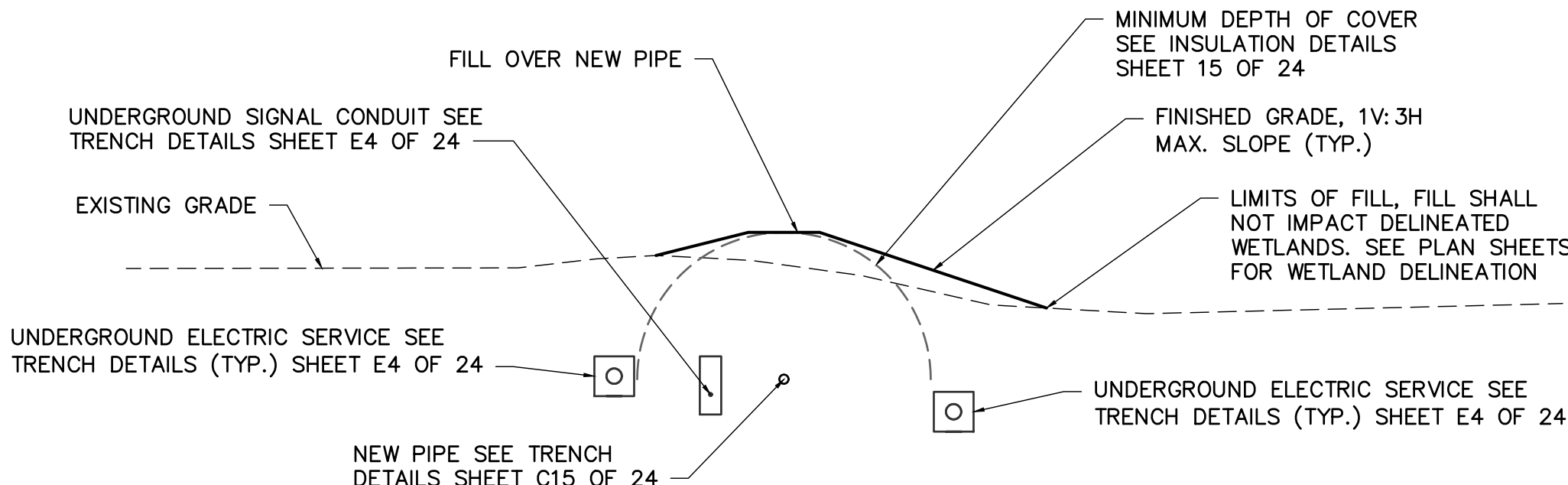
- THRUST BLOCK TABLE NOTES
- FIGURES BASED ON 300 PSI.
 - FOR PIPE SIZES NOT LISTED USE NEXT LARGER PIPE SIZE.
 - WHEN MORE THAN ONE SOIL TYPE IS ENCOUNTERED, THE ONE WITH LEAST BEARING CAPACITY SHALL BE USED.
 - RETAINING RODS OR RESTRAINED JOINT PIPE, AS APPROVED BY THE ENGINEER, SHALL BE USED IN PLACE OF THRUST BLOCKS WHEN MUCK IS ENCOUNTERED.
 - CONTRACTOR MAY PROPOSE SMALLER THRUST BLOCKS BASED ON PIPE SIZES AND MAXIMUM PRESSURES.



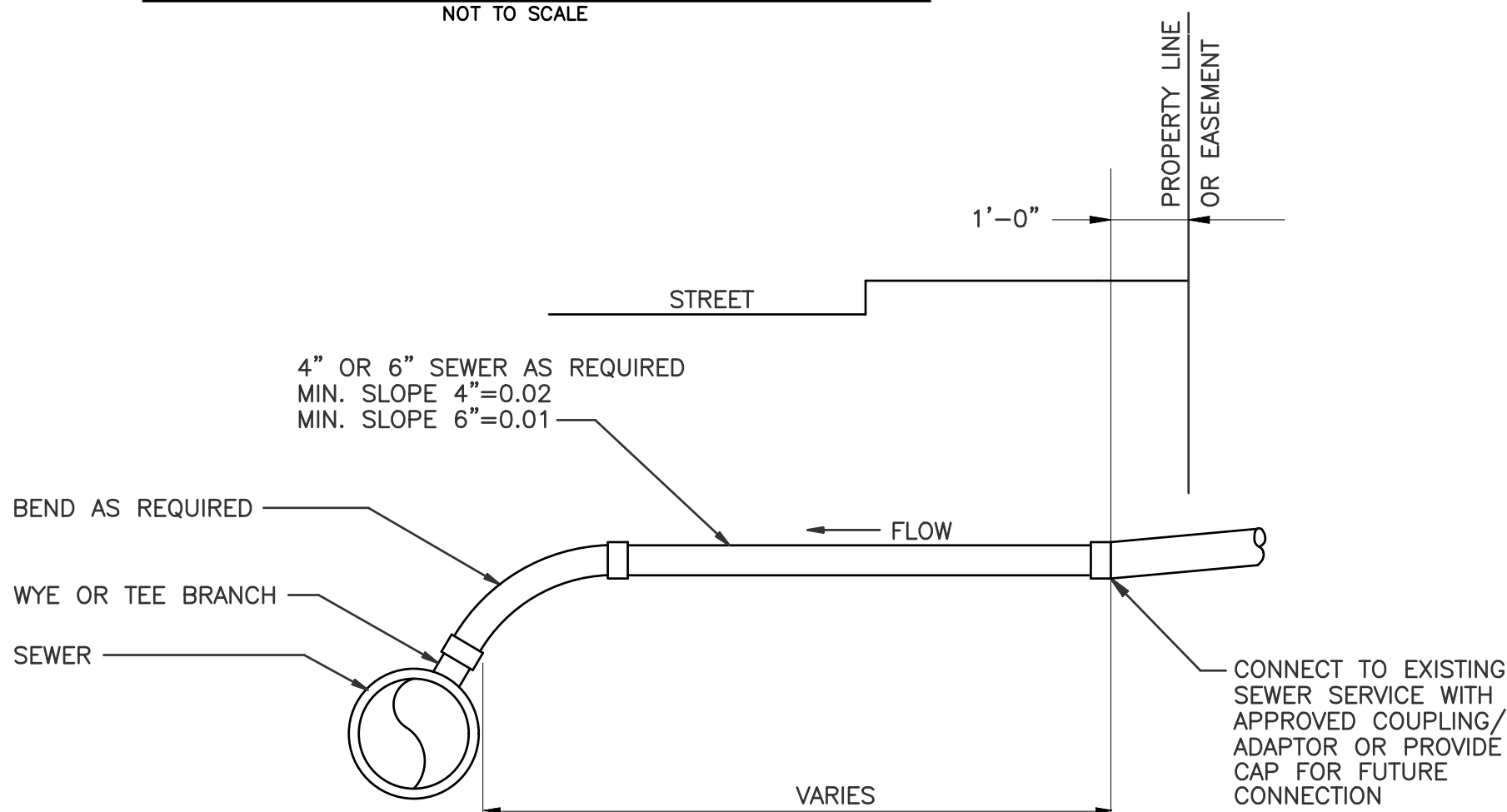
PAVEMENT REPLACEMENT DETAIL
NOT TO SCALE



ADDED FILL OVER PIPE ON SLOPE
NOT TO SCALE

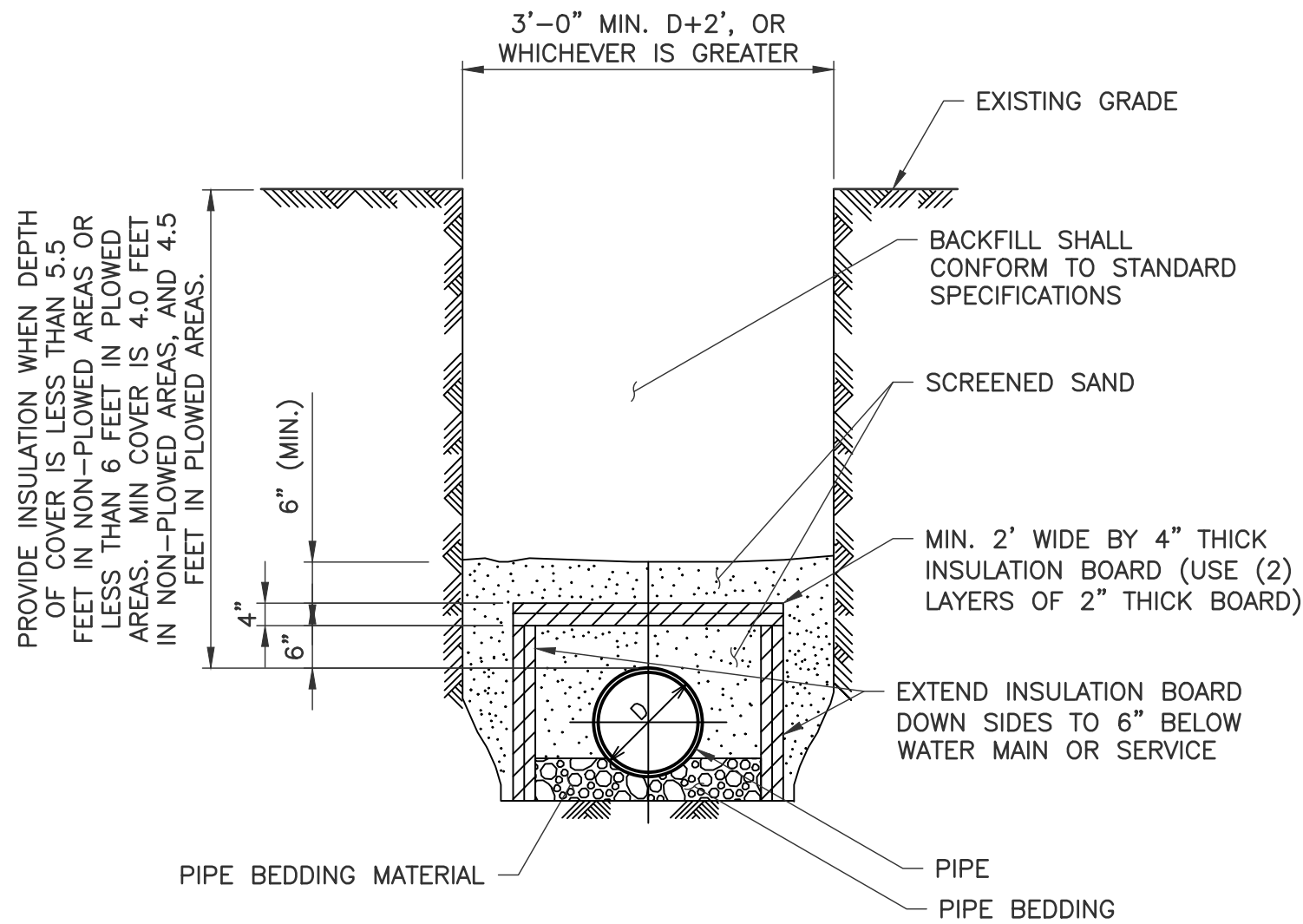


ADDED FILL OVER PIPE ROLLING GRADE
NOT TO SCALE



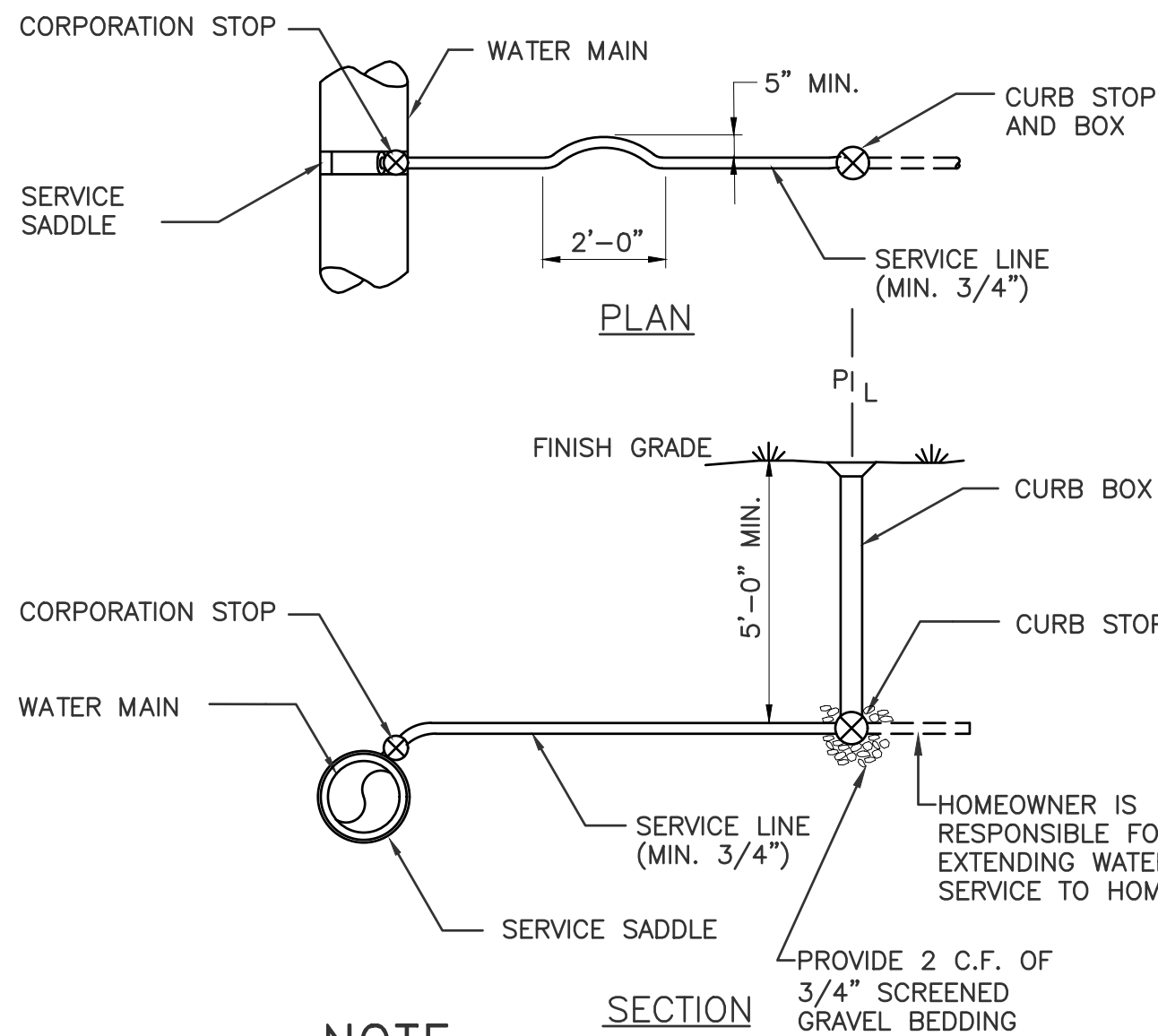
SEWER SERVICE CONNECTION DETAIL
NOT TO SCALE

SHALLOW BURIAL TRENCH INSULATION DETAIL TABLE	
COVER (FEET)	RIGID INSULATION THICKNESS (IN)
5'-6" OR GREATER IN NON-PLOWED AREAS OR 6' OR GREATER IN PLOWED AREAS	0
4'-0" - 5'-6" IN NON-PLOWED AREAS OR 4'-6" - 6'-0" IN PLOWED AREAS	4" ON TOP AND SIDES



- NOTES:
- INSULATION BOARD TO BE CLOSED CELL, EXTRUDED POLYSTYRENE FOAM SEE STANDARD SPECIFICATIONS
 - BACKFILL MATERIAL AROUND INSULATION MUST BE FINE SAND FREE FROM ROOTS, ORGANIC MATER OR OTHER INJURIOUS MATERIALS, SEE STANDARD SPECIFICATIONS
 - OVERLAP ALL INSULATION BOARD LAYERS AT JOINTS BY 2'-0" AND USE MASTIC AT ALL JOINTS
 - SEE NOTE ASSOCIATED WITH WATER SERVICE CONNECTION DETAIL FOR ADDITIONAL INSULATION REQUIREMENTS.
 - AT ALL STORM DRAIN/CULVERT CROSSINGS BELOW WATER MAIN, CLOSER THAN 3' ADD 4" OF RIGID INSULATION, BELOW PIPE BEDDING. EXTEND INSULATION 5- FEET BOTH SIDES OF THE CROSSING.

SHALLOW BURIAL TRENCH INSULATION DETAIL
NOT TO SCALE



- NOTE
- CONTRACTOR SHALL INSTALL FOUR (4) INCHES RIGID INSULATION OVER ALL NEW WATER SERVICE PIPING REGARDLESS OF DEPTH.

WATER SERVICE CONNECTION DETAIL
NOT TO SCALE

DuBois & King inc.

www.dubois-king.com

© Copyright 2024 DuBois & King inc.

NOT FOR CONSTRUCTION

60% DESIGN SET

REVISIONS	BY	DATE	REVISION DESCRIPTION

CLIENT NAME

TOWN OF WAITSFIELD

PROJECT NAME

WAITSFIELD COMMUNITY WASTEWATER SYSTEM

PROJECT ADDRESS

4144 MAIN STREET
WAITSFIELD, VERMONT 05673

SHEET TITLE

SEWER AND TRENCH DETAILS

D&K PROJECT #

227947

PROJ. ENG.

JBA

DRAWN BY

EBS

CHECKED BY

NJS

DATE

MAY 17, 2025

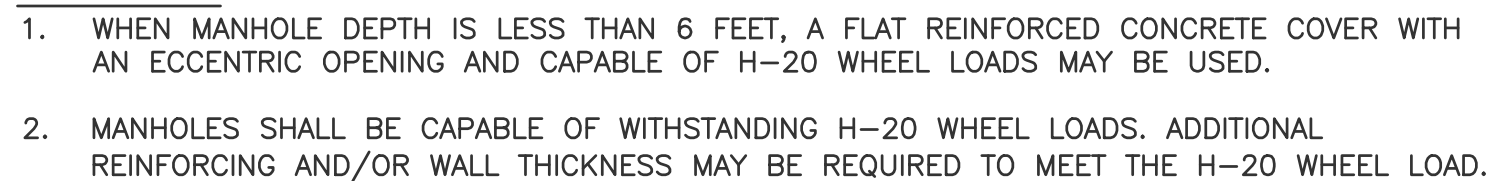
SHEET NUMBER

C56

SHEET: 61 of 64



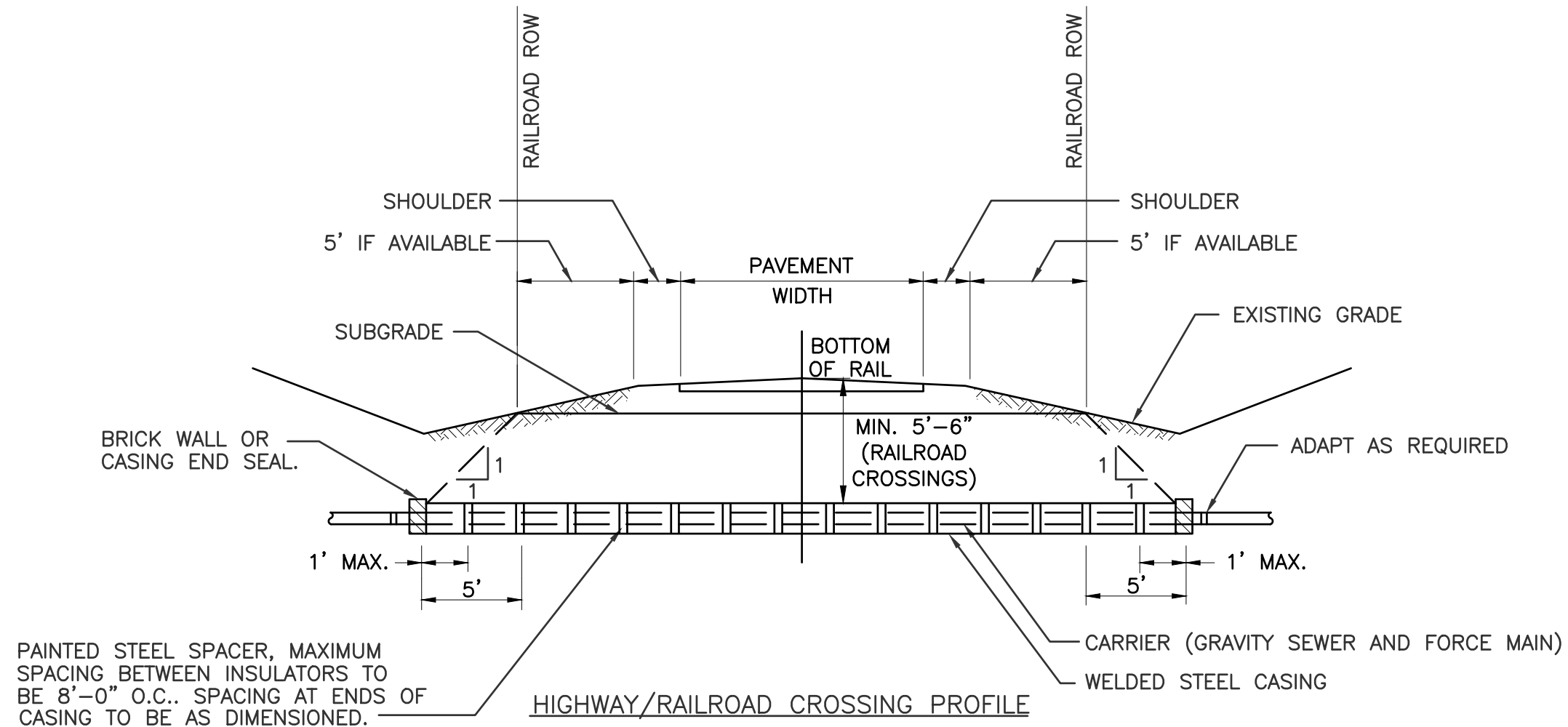
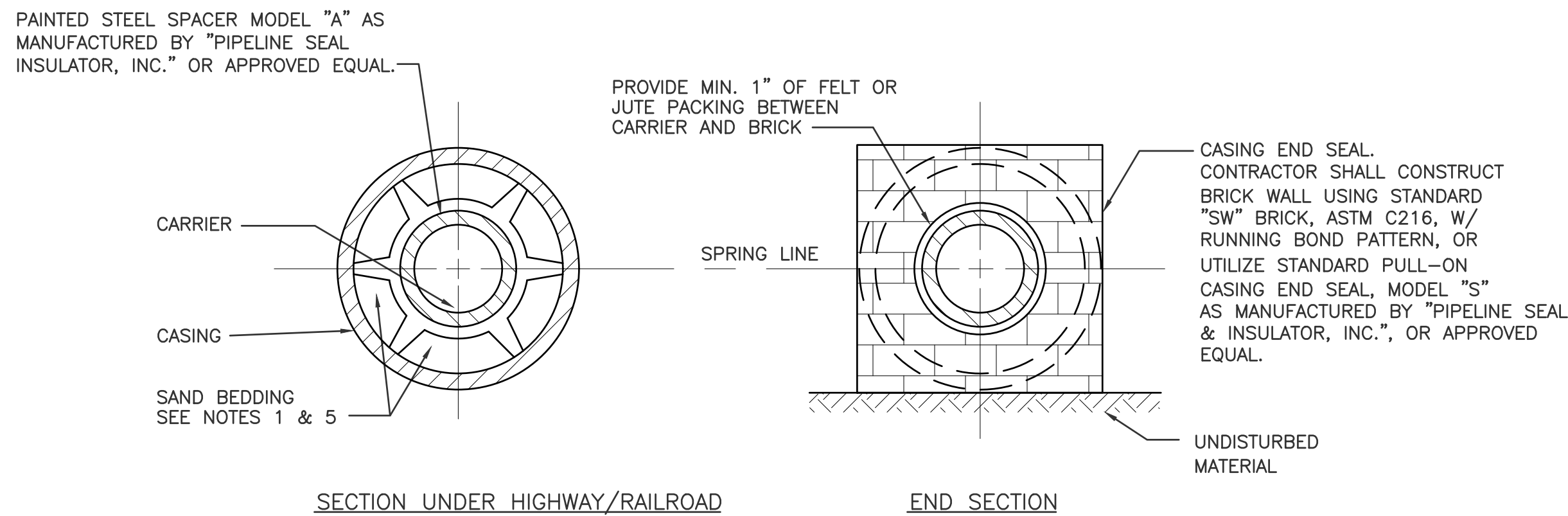
1. WATER MAINS SHALL BE LAID AT LEAST 10 FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED MANHOLE OR SANITARY SEWER. THIS DISTANCE CAN BE REDUCED TO 5 FEET FOR STORM SEWERS. THE DISTANCE SHALL BE MEASURED EDGE TO EDGE.
2. IN CASES WHERE IT IS NOT PRACTICAL TO MAINTAIN A 10 FOOT SEPARATION, THE CONTRACTOR MUST OBTAIN A VARIANCE IF SUPPORTED BY DATA FROM THE DESIGN ENGINEER. SUCH VARIANCE MAY ALLOW INSTALLATION OF THE WATER MAIN CLOSER TO A SEWER, PROVIDED THAT THE WATER MAIN IS LAID IN A SEPARATE TRENCH OR ON AN UNDERBID RIGIDLY SUPPORTED LEAD ON ONE SIDE OF THE SEWER. IF SUCH AN ELEVATION THAT THE BOTTOM OF THE WATER MAIN IS AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER, WHERE SEWERS ARE BEING INSTALLED AND MINIMUM SEPARATIONS CANNOT BE MET, THE SEWER MATERIALS SHALL BE WATER MAIN PIPE OR EQUIVALENT AND SHALL BE PRESSURE TESTED TO ENSURE WATER TIGHTNESS.



60% DESIGN SET
NOT FOR CONSTRUCTION

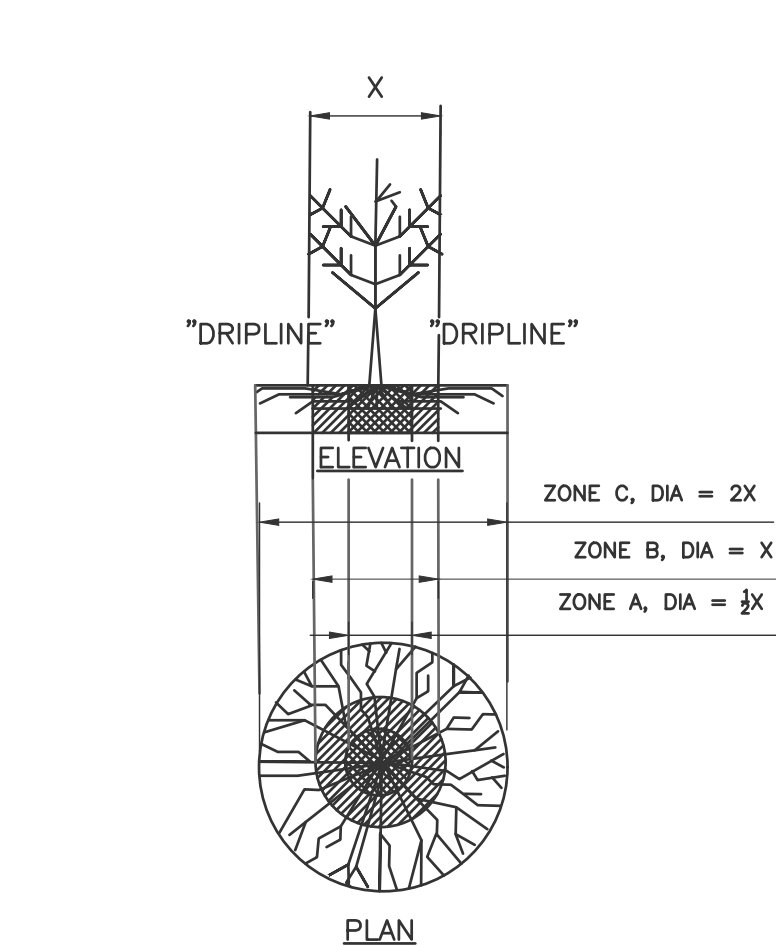
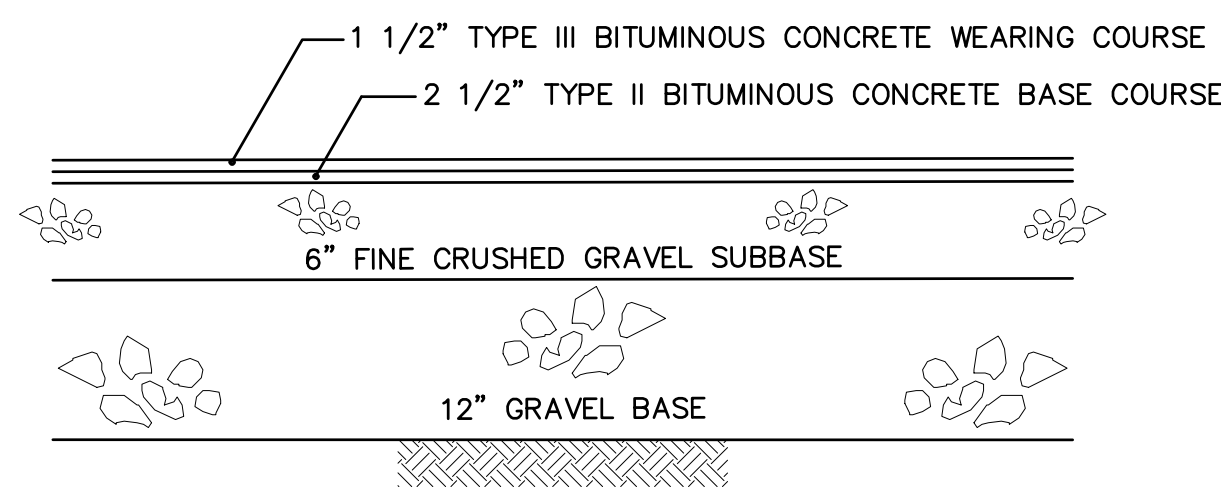
CLIENT NAME
TOWN OF
WAITSFIELD

C57



HIGHWAY/RAILROAD CROSSING DETAIL

NOT TO SCALE



FENCING/ROOT PROTECTION

SNOW FENCING SHALL BE PROVIDED AND MAINTAINED AT DRIPLINE.

ENGINEER'S APPROVAL REQUIRED FOR USE/ACCESS WITHIN ZONE B.
PERMISSION FOR USE/ACCESS REQUIRES SURFACE PROTECTION FOR ALL
UNFENCED, UNPAVED SURFACES WITHIN ZONE B.

- * SURFACE PROTECTION MEASURES
1. MULCH LAYER, 6"-8" DEPTH
 2. $\frac{3}{4}$ " PLYWOOD
 3. STEEL PLATES

TRENCHING / EXCAVATION

ZONE A (CRITICAL ROOT ZONE)

NO DISTURBANCE ALLOWED WITHOUT SITE-SPECIFIC INSPECTION AND APPROVAL OF METHODS TO MINIMIZE, ROOT DAMAGE. SEVERANCE OF ROOTS LARGER THAN 2" DIA REQUIRES ENGINEER'S APPROVAL.

TUNNELING MAY BE REQUIRED TO INSTALL LINES 3'-0" BELOW GRADE OR DEEPER.

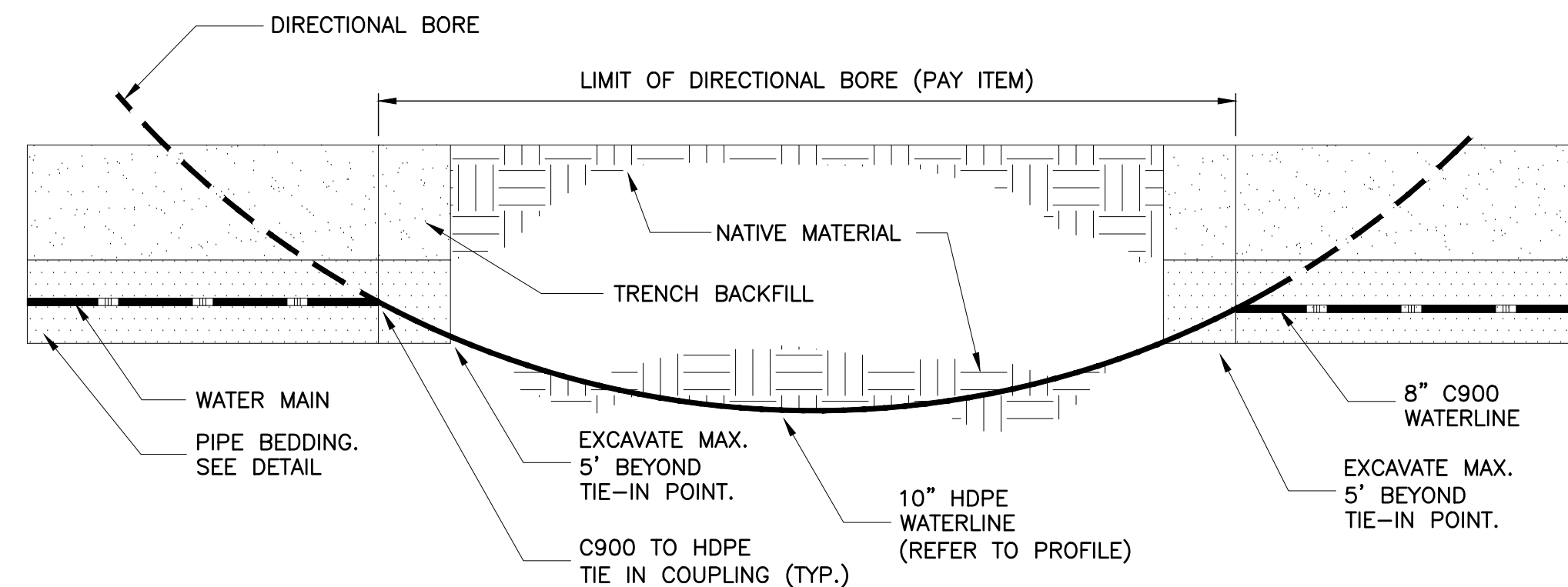
ZONE B (DRIPLINE)

OPERATION OF HEAVY EQUIPMENT AND/OR STOCKPILING OF MATERIALS SUBJECT TO ENGINEERS APPROVAL. SURFACE PROTECTION* MEASURES REQUIRED.

TRENCHING ALLOWED AS FOLLOWS: EXCAVATION BY HAND OR WITH HAND-DRIVEN TRENCHER MAY BE REQUIRED TO LIMIT TRENCH WIDTH. DO NOT DISTURB ZONE A, MAINTAIN $\frac{1}{2}$ OR MORE OF ZONE B IN UNDISTURBED CONDITION. TUNNELING MAY BE REQUIRED FOR TRENCHES DEEPER THAN 3'-0".

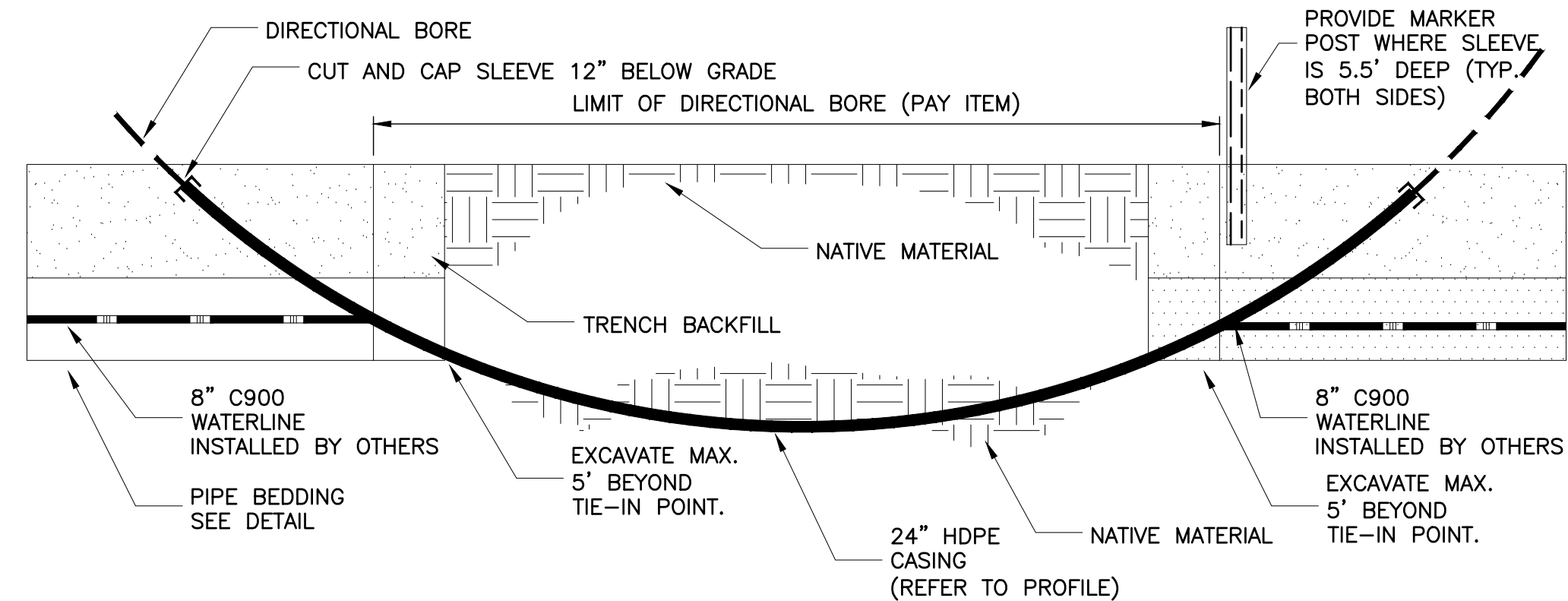
ZONE C (FEEDER ROOT ZONE)

OPERATION OF HEAVY EQUIPMENT AND/OR STOCKPIILING OF MATERIALS SUBJECT TO ENGINEERS APPROVAL. SURFACE PROTECTION* MEASURES MAY BE REQUIRED. TRENCHING WITH HEAVY EQUIPMENT ALLOWED AS FOLLOWS: MINIMIZE TRENCH WIDTH. MAINTAIN $\frac{2}{3}$ OR MORE OF ZONE C IN UNDISTURBED CONDITION.



DIRECTIONAL BORING DETAIL

NOT TO SCALE



DIRECTIONAL BORING DETAIL FOR PIPE SLEEVE

NOT TO SCALE

**DuBois
& King inc.**

**NOT FOR
CONSTRUCTION
60% DESIGN SET**

[illegible]

CLIENT NAME
TOWN OF
WAITSFIELD

PROJECT NAME
WAITSFIELD
COMMUNITY
WASTEWATER
SYSTEM

PROJECT ADDRESS
4144 MAIN STREET
WAITSFIELD, VERMONT 05673

SHEET TITLE

JACK AND BORE AND DIRECTIONAL DRILL DETAILS

D&K PROJECT #	PROJ. ENG.
227947	JBA

DRAWN BY EBS	CHECKED BY NJS
-----------------	-------------------

DATE	MAY 17, 2025
------	--------------

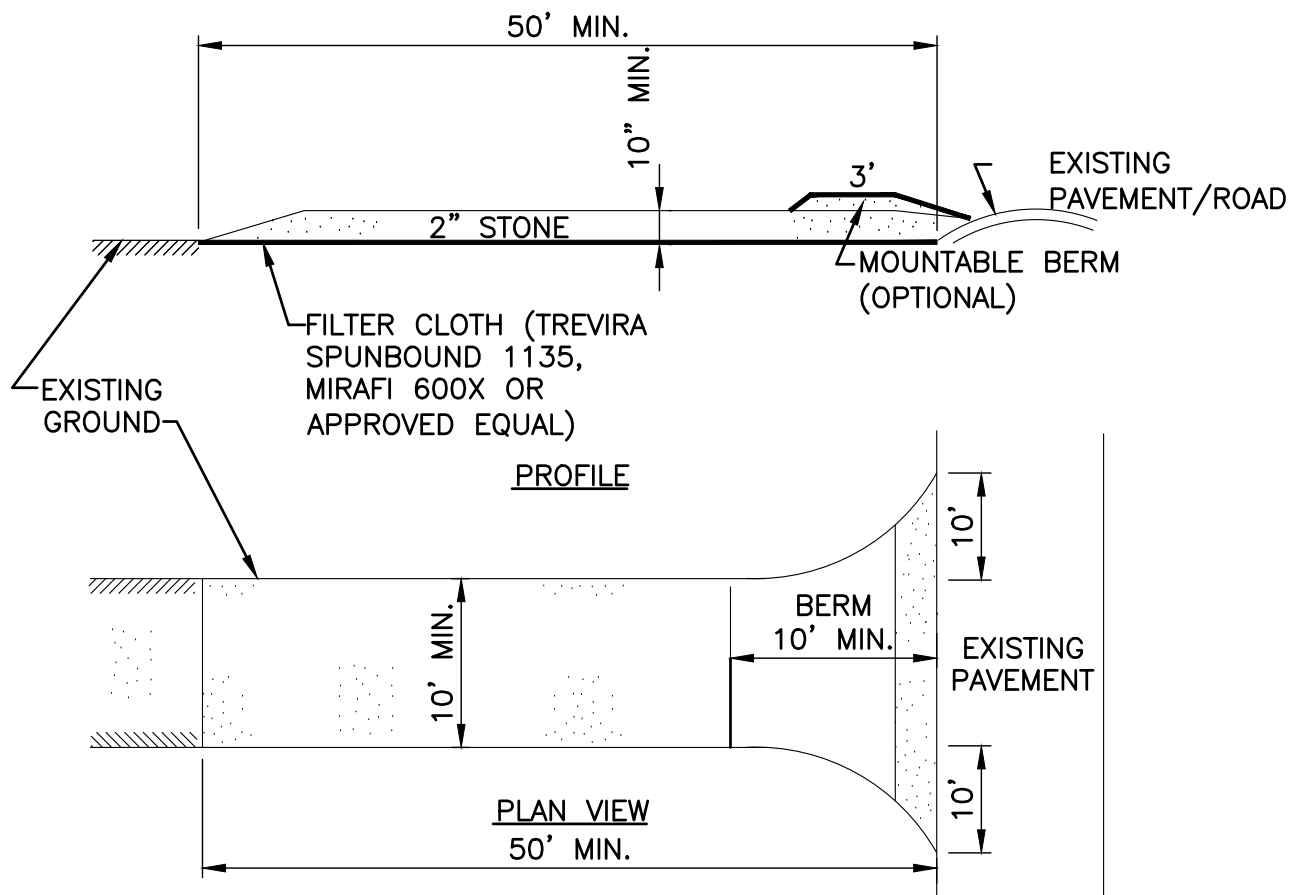
SHEET NUMBER

C58

SHEET: 63 of 64

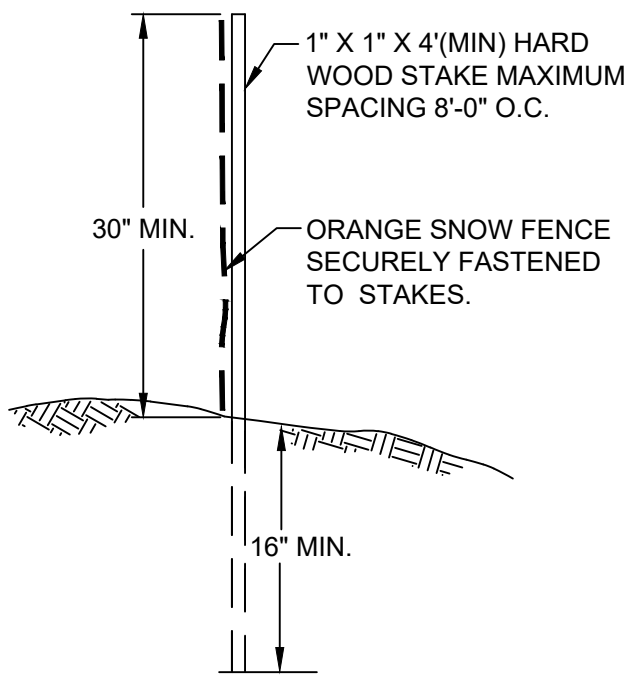
60% DESIGN SET
NOT FOR CONSTRUCTION

I:\2\227947 Waitsfield Water and Wastewater Feasibility Stud\Drawings\Civil\227974-DTD.dwg 5/17/2025 10:04 AM

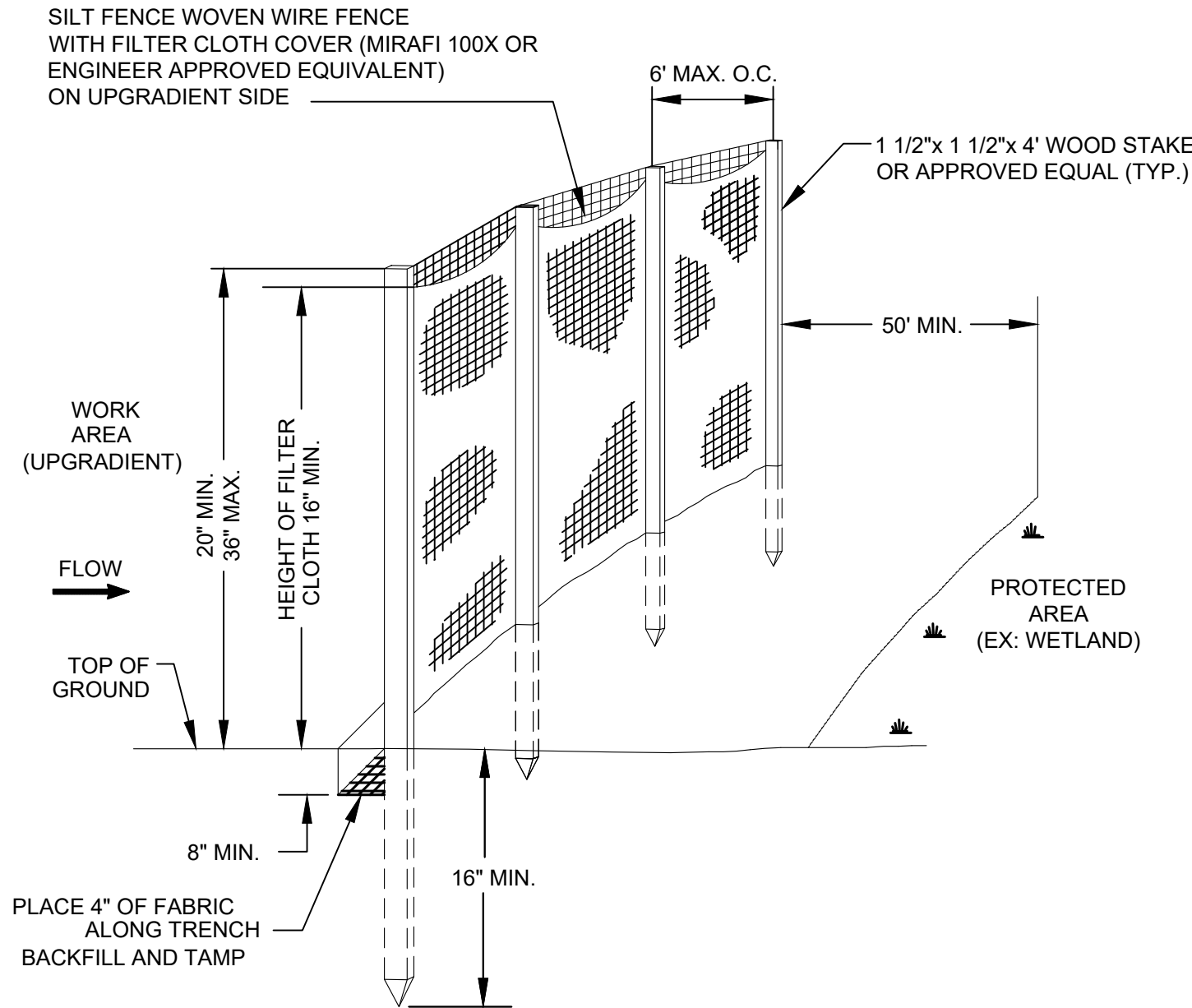


STABILIZED CONSTRUCTION ENTRANCE
NOT TO SCALE

1. FILTER CLOTH – WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACEMENT OF STONE.
2. SURFACE WATER – ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
3. MAINTENANCE – THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEAN-OUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
4. WASHING – WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
5. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN EVENT.



PROJECT DEMARCATION FENCE
NOT TO SCALE



TEMPORARY SILT FENCE BARRIER
NOT TO SCALE

GENERAL DESCRIPTION
TEMPORARY SILT FENCE BARRIER CONSISTING OF FILTER FABRIC ATTACHED TO SUPPORTING POSTS AND ENTRENCHED IN SOIL. INSTALLED ACROSS OR AT THE TOE OF A SLOPE TO INTERCEPT AND RETAIN SMALL AMOUNTS OF SEDIMENT FROM DISTURBED OR UNPROTECTED AREAS.

- PURPOSE**
1. FUNCTIONS PRIMARILY TO SLOW AND POND WATER AND ALLOW SOIL PARTICLES TO SETTLE. USE LIMITED TO AREAS WHERE OVERLAND SHEET FLOWS ARE EXPECTED. DO NOT USE ACROSS STREAMS, CHANNELS, SWALES, DITCHES OR OTHER DRAINAGE WAYS.
 2. IS A SEDIMENT CONTROL PRACTICE, NOT AN EROSION CONTROL PRACTICE. INTENDED TO BE USED IN CONJUNCTION WITH OTHER PRACTICES THAT PREVENT OR CONTROL EROSION.

- CONSIDERATIONS**
TEMPORARY SILT FENCE BARRIERS USED WHERE:
- MAXIMUM LENGTH OF SLOPE ABOVE THE BARRIER IS 100 FEET; AND
 - MAXIMUM GRADIENT ABOVE THE BARRIER IS 50 PERCENT (2:1); AND
 - CONTRIBUTING DRAINAGE AREA IS LESS THAN 1/4 ACRE PER 100 FEET OF BARRIER LENGTH; AND
 - IF ANY OF THESE CONDITIONS ARE EXCEEDED, OTHER MEASURES MAY BE NECESSARY

- SPECIFICATIONS**
1. INSTALL PRIOR TO ANY SOIL DISTURBANCE OF THE CONTRIBUTING DRAINAGE AREA ABOVE THEM.
 2. INSTALL FOLLOWING CONTOUR OF THE LAND AS CLOSELY AS POSSIBLE.
 3. SILT FENCE PLACED AT THE BOTTOM OF A SLOPE SHOULD BE SET AT LEAST 6 FEET FROM THE TOE TO ALLOW SPACE FOR SHALLOW PONDING AND MAINTENANCE ACCESS WITHOUT DISTURBING THE SLOPE.
 4. EMBED FABRIC A MINIMUM OF 4 INCHES IN DEPTH AND 4 INCHES IN WIDTH IN TRENCH EXCAVATED INTO THE GROUND ALONG THE LINE OF POSTS AND UPGRAIDENT FROM BARRIER. IF SITE CONDITIONS INCLUDE FROZEN GROUND, LEDGE, OR THE PRESENCE OF HEAVY ROOTS, EMBED BASE OF FABRIC WITH A MINIMUM THICKNESS OF 8 INCHES OF ¾-INCH STONE.
 5. BACKFILL TRENCH AND COMPACT SOIL OVER THE FILTER FABRIC.
 6. SIZE AND ANCHOR SUPPORT POSTS ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS WITH MAXIMUM POST SPACING OF 6 FEET;
 7. FILTER FABRIC TO BE A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID USE OF JOINTS. WHEN JOINTS ARE NECESSARY, SPLICE FILTER CLOTH TOGETHER ONLY AT SUPPORT POST, WITH A MINIMUM 6-INCH OVERLAP (24 INCHES PREFERRED), AND STAPLE TO SUPPORT POST. IF METAL POSTS USED, WIRE-TIE FABRIC DIRECTLY TO THE POSTS WITH THREE DIAGONAL TIES.
 8. SILT FENCE NOT TO BE STAPLED OR NAILED TO TREES.
 9. FILTER FABRIC TO BE PERVIOUS SHEET OF PROPYLENE, NYLON, POLYESTER OR ETHYLENE YARN AND CERTIFIED BY THE MANUFACTURER OR SUPPLIER.
 10. FILTER FABRIC TO CONTAIN ULTRAVIOLET RAY INHIBITORS AND STABILIZERS TO PROVIDE A MINIMUM OF 6 MONTHS OF EXPECTED USABLE CONSTRUCTION LIFE AT A TEMPERATURE RANGE OF 0 DEGREES FAHRENHEIT TO 120 DEGREES FAHRENHEIT.
 11. POSTS FOR SILT FENCE TO BE EITHER 2-INCH SQUARE WOOD OR 1.33 POUNDS PER LINEAR FOOT STEEL WITH A MINIMUM LENGTH OF 5 FEET. STEEL POSTS TO HAVE PROJECTIONS FOR FASTENING WIRE TO THEM. POSTS TO BE PLACED ON THE DOWNSLOPE SIDE OF THE FABRIC.
 12. HEIGHT OF A SILT FENCE NOT TO EXTEND MORE THAN 36 INCHES ABOVE ORIGINAL GROUND SURFACE
 13. MANUFACTURED SILT FENCE SYSTEM WITH INTEGRAL POSTS MAY BE USED.
 14. SILT FENCE TO BE INSTALLED WITH "SMILES" OR "J-HOOKS" TO REDUCE THE DRAINAGE AREA THAT ANY SEGMENT WILL IMPOUND. FLARE ENDS OF FENCE UPSLOPE.

- MAINTENANCE REQUIREMENTS**
1. INSPECT AND MAINTAIN IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL.
 2. REMOVE SEDIMENT DEPOSITION, AT A MINIMUM, WHEN DEPOSITION ACCUMULATES TO ONE-HALF THE HEIGHT OF THE FENCE, AND MOVE SO SEDIMENT NOT READILY TRANSPORTED BACK TOWARD THE SILT FENCE.
 3. REPAIR SILT FENCE IMMEDIATELY IF THERE ARE ANY SIGNS OF EROSION OR SEDIMENTATION BELOW THEM. IF THERE ARE SIGNS OF UNDERCUTTING AT THE CENTER OR THE EDGES OF BARRIER, OR IMPOUNDING OF LARGE VOLUMES OF WATER BEHIND THEM, SILT FENCE BARRIERS TO BE REPLACED WITH NEW SILT FENCE.
 4. IF SILT FENCE FABRIC DECOMPOSES OR BECOMES INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL IS NECESSARY, REPLACE FABRIC PROMPTLY.
 5. IF EVIDENCE OF END FLOW ON PROPERLY INSTALLED BARRIERS, EXTEND BARRIERS UPHILL OR CONSIDER REPLACING THEM WITH OTHER MEASURES, SUCH AS TEMPORARY DIVERSIONS AND SEDIMENT TRAPS.
 6. USEFUL LIFE OF SILT FENCE IS TYPICALLY ONE SEASON. ON LONGER CONSTRUCTION PROJECTS, SILT FENCE TO BE REPLACED PERIODICALLY AS REQUIRED TO MAINTAIN EFFECTIVENESS.
 7. AFTER SILT FENCE IS NO LONGER REQUIRED, REMOVE REMAINING SEDIMENT DEPOSITS, REGRADE AREA TO GRADES SHOWN ON THESE DRAWINGS, AND

60% DESIGN SET
NOT FOR CONSTRUCTION
5/17/2025

NOT FOR
CONSTRUCTION
60% DESIGN SET

REVISIONS	BY							
	REVISION DESCRIPTION							
	DATE							
	NUMBER							

CLIENT NAME
TOWN OF
WAITSFIELD

PROJECT NAME
WAITSFIELD
COMMUNITY
WASTEWATER
SYSTEM

PROJECT ADDRESS
4144 MAIN STREET
WAITSFIELD, VERMONT 05673

SHEET TITLE

EPSC DETAILS

D&K PROJECT #
227947

PROJ. ENG.
JBA

DRAWN BY
EBS

CHECKED BY
NJS

DATE
MAY 17, 2025

SHEET NUMBER

C59

SHEET: 64 of 64