

CITY OF ALBANY CLINTON COUNTY, KENTUCKY

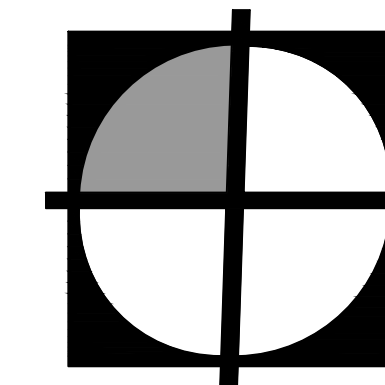
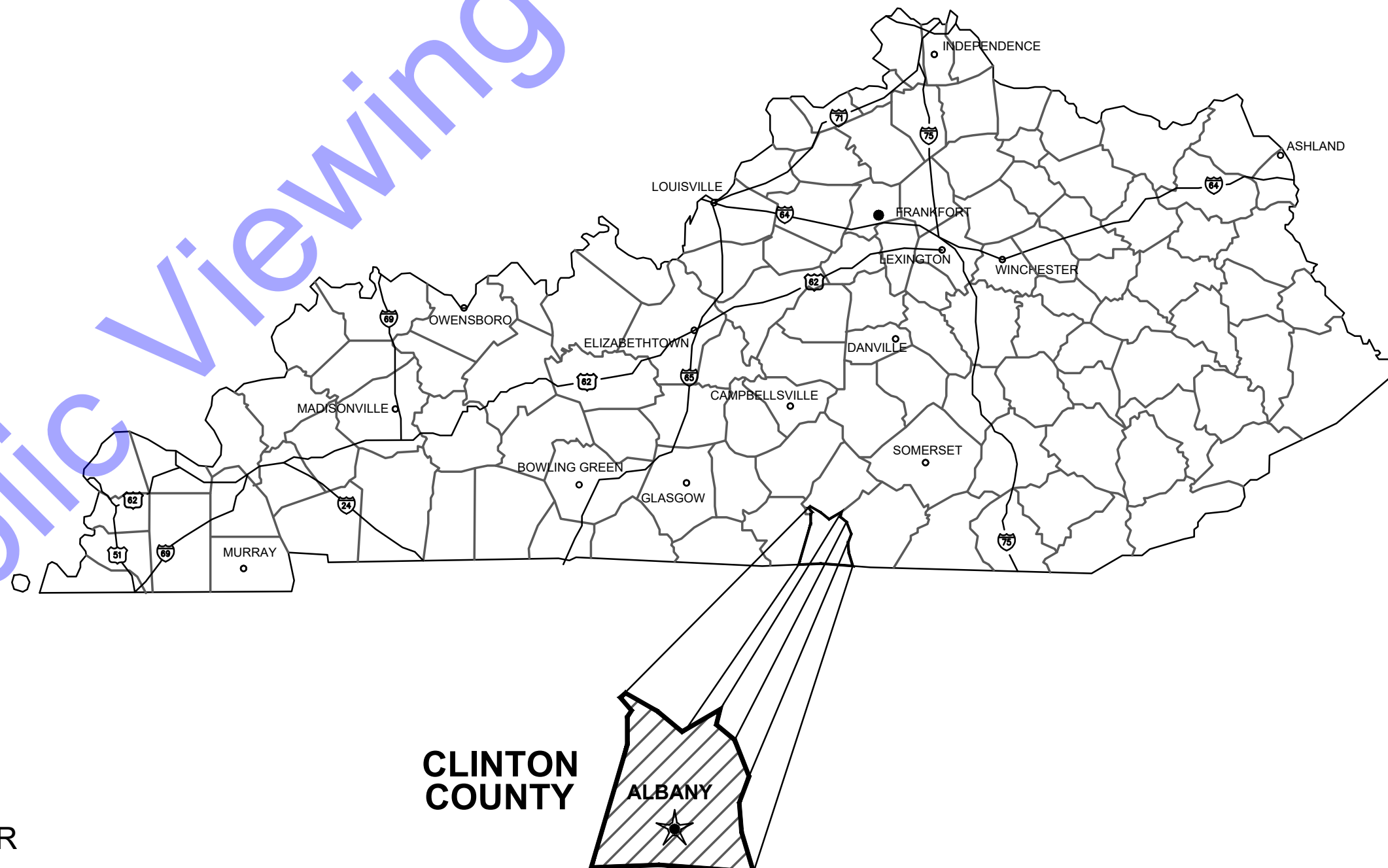
ZONE METER PROJECT

AUGUST 2024

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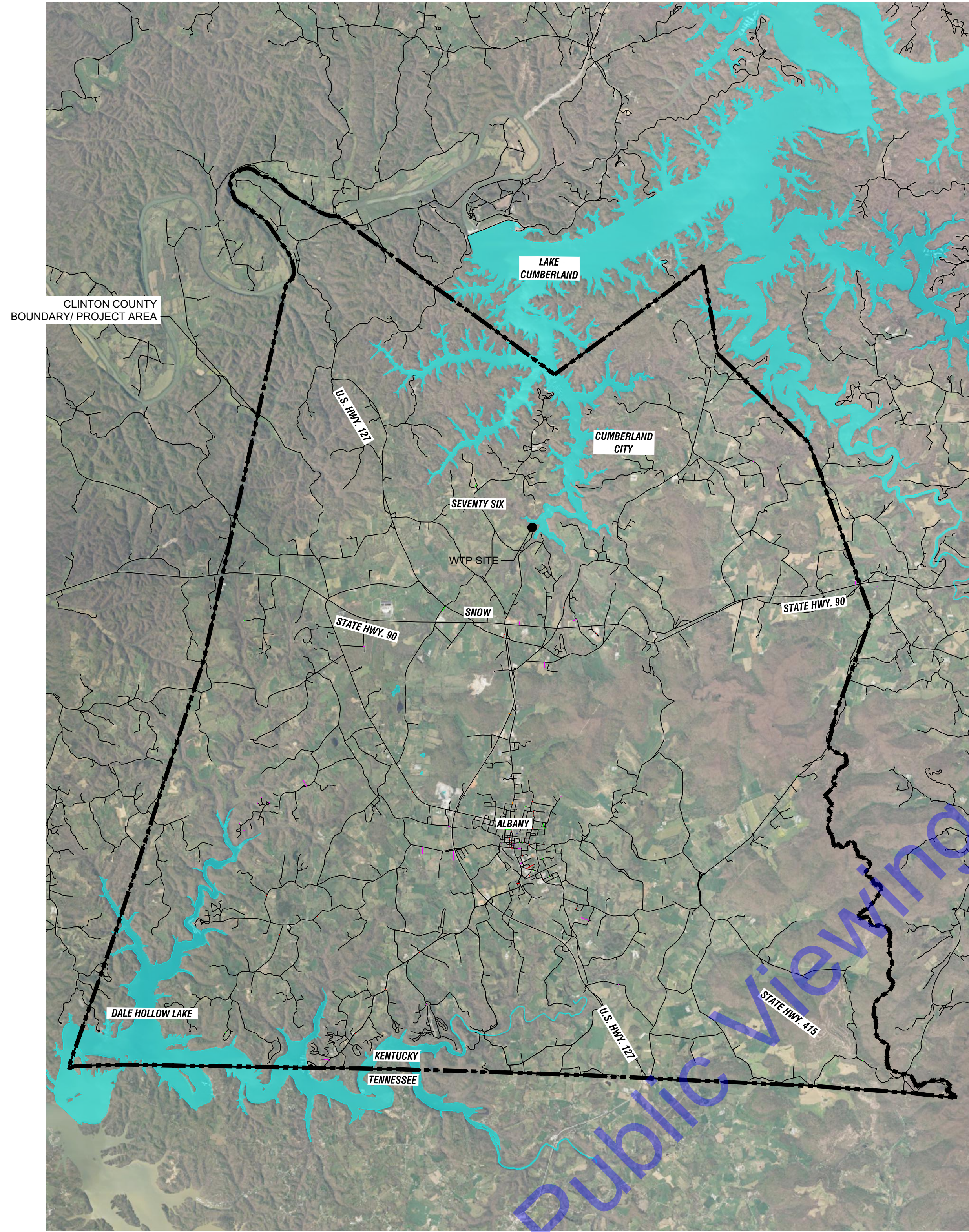
QA/QC BY : RYAN LAREAU _____ 8/29/24
 DATE :

CERTIFIED BY :  _____ 8/29/24
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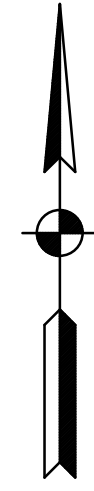
CONTRACT NO. : W24100

File: Z:\SHARED\CLIENTS\ALBANY\02\100 MASTER METER DESIGN\CADD\CURRENT FILES\DRAWINGS\01-GENERAL SHEETS.DWG
Sheet: 02 OF 31 Printed: 8/29/24 4:12:54 PM. Current User: Bob Coleborn Location: Albany



PROJECT LOCATION MAP

SCALE: 1"=8000'
0 8000' 16,000'



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28	MD1	MISCELLANEOUS DETAILS I
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OFFICE LOCATIONS IN:
INDIANAPOLIS, IN (2)
EVANSVILLE, IN
FORT WAYNE, IN
CROWN POINT, IN
BOWLING GREEN, KY
SOUTH BEND, IN
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Signature: _____ Date: 8/29/24

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CLINTON COUNTY, KENTUCKY
ZONE METER PROJECT

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Date	By	No.	Submitted / Revision

Designed By: --- Drawn By: MAG Checked By: ---
Issue Date: 8/29/24 Project No: W24100 Scale: AS SHOWN

PROJECT LOCATION MAP & DRAWING SET INDEX

Drawing No:
G2
Sheet: 02 OF 31

GENERAL ABBREVIATIONS

A	AIR	G	GAS	SAN	SANITARY
AB	ANCHOR BOLT	GALV	GALVANIZED	SAS	SANITARY SEWER
AFF	ABOVE FINISH FLOOR	GEN	GENERAL	SCH	SCHEDULE
ALT	ALTERNATE	GRD	GROUND OR GRADE	SECT	SECTION
ALUM	ALUMINUM			SF	SQUARE FEET
@	AT	HB	HOSE BIBB	SHT	SHEET
APP.	APPARENT	HORIZ	HORIZONTAL	SL	SAMPLE LINE
ATT	AERATION TANK TRANSFER	HP	HORSEPOWER	SOS	STORM SEWER
AUTO	AUTOMATIC	HW	HOT WATER	SP	STOP PLATE
AVG	AVERAGE			SQ	SQUARE
		ID	INSIDE DIAMETER	STD	STANDARD
B	BAFFLE	IJ	ISOLATION JOINT	S STL, SS	STAINLESS STEEL
BLDG	BUILDING	INV	INVERT	STL	STEEL
BM	BENCH MARK	IP	IRON PIN	SUP	SUPERNATANT
BOT	BOTTOM			SY	SQUARE YARD
BRG	BEARING	LAV	LAVATORY		
		LB	POUND	TOS	TOP OF SLAB
CFM	CUBIC FEET PER MINUTE	LL	LIVE LOAD	TOW	TOP OF WALL
CL	CENTERLINE	LLV	LONG LEG VERTICAL	TW	TERTIARY WATER
CO	CLEAN OUT	LTG	LIGHTING	TYP	TYPICAL
COL/C	COLUMN			V	VACUUM OR VALVE
CONC	CONCRETE	MAX	MAXIMUM	VAR	VARIABLE
COP	COPPER	MCC	MOTOR CONTROL CENTER	VERT	VERTICAL
CJ	CONSTRUCTION JOINT	MGD	MILLION GALLONS PER DAY		
CP	CONTROL POINT	MH	MANHOLE		
CW	COLD WATER	MIN	MINIMUM, MINUTE	W	WEIR
CY	CUBIC YARD	MJ	MECHANICAL JOINT	W/	WITH
				W/O	WITHOUT
D	DRAIN	NC	NORMALLY CLOSED	WAS	WASTE ACTIVATED SLUDGE
DEC	DECANT	NG	NATURAL GAS	WC	WATER CLOSET
DIA	DIAMETER	NIC	NOT IN CONTRACT	WH	WATER HEATER
DIM	DIMENSION	NO	NORMALLY OPEN	WL	WATER LINE
DI	DUCTILE IRON PIPE	NO.	NUMBER	WWF	WELDED WIRE FABRIC
DL	DEAD LOAD	NPW	NON-POTABLE WATER	YH	YARD HYDRANT
DSPT	DOWN SPOUT				
DWG	DRAWING	OC	ON CENTER		
		OD	OUTSIDE DIAMETER		
E	ELECTRICAL CONDUIT	OPG	OPENING		
EA	EACH	OPP	OPPOSITE		
EF	EACH FACE				
EFFL	EFFLUENT	PB	PULL BOX		
EL	ELEVATION	PE	POLYETHYLENE EXP. JT. MATERIAL		
EW	EACH WAY	P/L	PROPERTY LINE		
EX	EXISTING	POJ	PUSH ON JOINT		
EXF	EXHAUST FAN	PSF	POUNDS PER SQUARE FOOT		
EXP JT	EXPANSION JOINT	PSI	POUNDS PER SQUARE INCH		
		PVC	POLYVINYL CHLORIDE		
F	FILTER	PW	POTABLE WATER		
FCAR	FLANGED COUPLING ADAPTER, RESTRAINED	R	RECIRCULATION		
FD	FLOOR DRAIN	RAD	RADIUS		
FDN	FOUNDATION	RAS	RETURN ACTIVATED SLUDGE		
FFE	FINISHED FLOOR ELEVATION	RCP	REINFORCED CONCRETE PIPE		
FH	FIRE HYDRANT	RD	ROOF DRAIN		
FLD	FILTRATE DRAIN	REINF	REINFORCING		
FLG	FLANGE	REQ'D	REQUIRED		
FL	FLUSHING LINE	R/W (ROW)	RIGHT-OF-WAY		
FLR	FLOOR				
FM	FORCE MAIN				
FRP	FIBER REINFORCED PLASTIC				
FT	FEET OR FOOT				
FTG	FOOTING				
FW	FINISHED WATER				

GENERAL NOTES

- ALL PROPERTY AND RIGHT-OF-WAY LINES INFORMATION SHOWN IN DRAWING SET ARE APPARENT AND SHALL NOT BE DEEMED EXACT LOCATIONS, UNLESS OTHERWISE NOTED.
- EXISTING UTILITY INFORMATION SHOWN IN DRAWING SET, MEETS "ASCE 36-02" QUALITY LEVEL "D", UNLESS OTHERWISE NOTED.
 - UTILITY COORDINATION AND PROJECT DIRECTION OF EXISTING SUBSURFACE UTILITY DATA:
 - UTILITY QUALITY LEVEL DESCRIPTIONS:**
 - UTILITY QUALITY LEVEL A** - PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE (OR VERIFICATIONS OF PREVIOUSLY EXPOSED AND SURVEYED UTILITIES) AND SUBSEQUENT MEASUREMENT OF SUBSURFACE UTILITIES, USUALLY AT A SPECIFIC POINT. ACCURACY OF LOCATION MATCHES PROJECT SURVEY TOLERANCE.
 - UTILITY QUALITY LEVEL B** - INFORMATION OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION SUBSURFACE UTILITIES. THE RELIABILITY OF THIS INFORMATION IS SURVEYED TO PROJECT CONTROL AND SUBJECT TO ACCURACY LEVELS OF THE GEOPHYSICAL TOLERANCE DEFINED BY THE PROJECT.
 - UTILITY QUALITY LEVEL C** - INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE GROUND UTILITY FEATURES AND CORRELATING QUALITY LEVEL "D" INFORMATION.
 - UTILITY QUALITY LEVEL D** - INFORMATION DERIVED FROM EXISTING RECORDS OR VERBAL RECOLLECTIONS.
- NORTHING AND EASTING COORDINATES SHOWN ON ALL MANHOLE, INLETS, ETC. ARE SHOWN FROM CENTER OF STRUCTURE NOT CASTING, UNLESS OTHERWISE NOTED.
- EXISTING WATER MAIN MAPPING IS SHOWN TO PROVIDE CONTRACTOR WITH GENERAL LOCATION OF WATER LINES. CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE ACCURATE LOCATION OF ALL UTILITIES AND HAZARDS PRIOR TO ORDERING MATERIALS.
- CONTRACTOR TO FIELD VERIFY DEPTH, LOCATION, AND SIZE OF EACH LINE PRIOR TO ORDERING MATERIALS. CONTRACTOR SHALL COORDINATE WITH CITY OF ALBANY WATER UTILITY COORDINATOR - DAVID GUFFEY - FOR ASSISTANCE WITH LOCATING WATER LINE AT EACH METER LOCATION.
- CONTRACTOR SHALL REPORT ANY DISCREPANCIES IN LINE SIZE TO ENGINEER AND OWNER.
- CONTRACTOR SHALL FIELD COORDINATE FINAL LOCATION OF EACH METER PIT WITH CITY OF ALBANY WATER UTILITY COORDINATOR - DAVID GUFFEY PRIOR TO ORDERING MATERIALS.
- CONTRACTOR SHALL TAKE ALL RESPONSIBILITY FOR ANY INJURY OR DAMAGE RESULTING TO PERSONS OR PROPERTY BECAUSE OF SUCH WORK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF ANY DAMAGE CAUSED TO PUBLIC STREETS OR PRIVATE DRIVEWAYS AS A RESULT OF THE WORK.
- CONTRACTOR SHALL ACCESS THE PROJECT AREA FROM PUBLIC RIGHT OF WAY. IF CONTRACTOR REQUIRES ADDITIONAL ACCESS VIA PRIVATE PROPERTY, CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING SAID ACCESS FROM PROPERTY OWNER. CONTRACTOR SHALL PROVIDE DOCUMENTATION OF SUCH ACCESS TO ENGINEER AND OWNER.
- CONTRACTOR SHALL REPAIR AND / OR REPLACE ALL DAMAGED UTILITIES AT THEIR OWN EXPENSE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING ALL REQUIREMENTS OF GOVERNMENT AGENCIES.
- CONTRACTOR SHALL INSTALL EROSION CONTROL FEATURES AT EACH METER CONSTRUCTION LOCATION AS REQUIRED TO PREVENT SEDIMENT RUNOFF, AT A MINIMUM THIS SHALL INCLUDE A SILT FENCE AROUND THE EXCAVATION.

GENERAL SCHEMATIC LEGEND

	QUICK DISCONNECT		BOOSTER PUMP
	FLANGED SPOOL SECTION		AIR RELIEF VALVE
	PRESSURE REDUCER VALVE		FLOW METER
	FLANGED COUPLING ADAPTER		GATE VALVE
	BALL CHECK VALVE		FLOW CONTROL VALVE
	MOTOR ACTUATOR		VALVE
	FLEXIBLE CONNECTION		ECCENTRIC PLUG VALVE
	FLANGE FILLER & S.S. MESH SCREEN		CHECK VALVE
	90° V-NOTCH WEIR		INCREASER / REDUCER
	MAGNETIC FLOW METER		BUTTERFLY VALVE
	ULTRASONIC SENSOR		PIPE THROUGH FLOOR / WALL
	SUBMERSIBLE PUMP		BALL VALVE
	NEW PIPING AND EQUIPMENT		BLIND FLANGE OR PLUG
	EXISTING PIPING AND EQUIPMENT		HOSE BIBB
	FUTURE PIPING AND EQUIPMENT		STOP PLATE
			WEIR

HATCHING SYMBOLS

	- CMU WALL (PLAN VIEW)
	- GRANULAR BACKFILL (PROFILE VIEW)
	- DEMOLITION (CONTRACTOR SHALL REFER TO DETAILED SPECIFICATIONS)
	- GROUT
	- CONCRETE
	- STEEL
	- COMPACTED GRANULAR BACKFILL OR COMPACTED FOUNDATION
	- ABANDONED IN PLACE

DRAWING SET LEGEND

	EXISTING OVERHEAD TELEPHONE LINE		AC UNIT		TELEPHONE MANHOLE
	EXISTING GAS LINE AND VALVE		BOLLARD		TELEPHONE LINE MARKER
	EXISTING WATER LINE AND VALVE		BOULDER / LARGE ROCK		TRAFFIC MANHOLE
	EXISTING FIBER OPTIC LINE		CENTER LINE MONUMENT		WATER LINE MARKER
	EXISTING OVERHEAD ELECTRIC LINE		CONTROL POINT / BENCH MARK		WATER METER
	EXISTING BURIED ELECTRIC		DRILL HOLE		VALVE
	EXISTING NON-POTABLE WATER LINE		MAIL BOX		IRRIGATION CONTROL VALVE
	EXISTING POTABLE WATER LINE		FLAG POLE		FIRE HYDRANT
	EXISTING BURIED TELEPHONE LINE		POST		FLUSH HYDRANT
	EXISTING FENCE		STUMP		YARD HYDRANT
	APPARENT RIGHT-OF-WAY		BUSH / HEDGE		WALL SPIGOT
	APPARENT PROPERTY LINE		DECIDUOUS TREE		EXISTING PIPE PLUG
	EDGE OF ROAD		CONIFEROUS TREE		STORM CATCH BASIN (SQUARE)
	EDGE OF ROAD WITH CURB		SIGN		STORM CATCH BASIN (ROUND)
	EXISTING MAJOR CONTOUR LINE		UTILITY LOCATE FLAG		STORM CURB INLET
	EXISTING MINOR CONTOUR LINE		GAS LINE MARKER		STORM MANHOLE
	NEW WATER LINE		GAS VALVE		SANITARY MANHOLE
	NEW SANITARY SEWER LINE		GAS METER		SANITARY VALVE
	NEW FORCE MAIN		GUY POLE		CLEANOUT
	PROPOSED MAJOR CONTOUR LINE		LIGHT POLE		VENT
	PROPOSED MINOR CONTOUR LINE		GUY WIRE		NEW VALVE
			ELECTRIC METER		NEW FIRE HYDRANT
			ELECTRIC PANEL		NEW WET SADDLE AND VALVE BODY
			ELECTRIC TRANSFORMER		NEW PLUG
			HAND HOLE BOX		NEW LINE STOP
			FIBER OPTIC MARKER		NEW CUT AND CAP
			TEL/TV PEDESTAL		NEW SANITARY MH

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STATE OF KENTUCKY
 TRAVIS S. HARPER
 37687
 LICENSED PROFESSIONAL ENGINEER

Signature _____ Date 8/29/24

CITY OF ALBANY
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ZONE METER PROJECT

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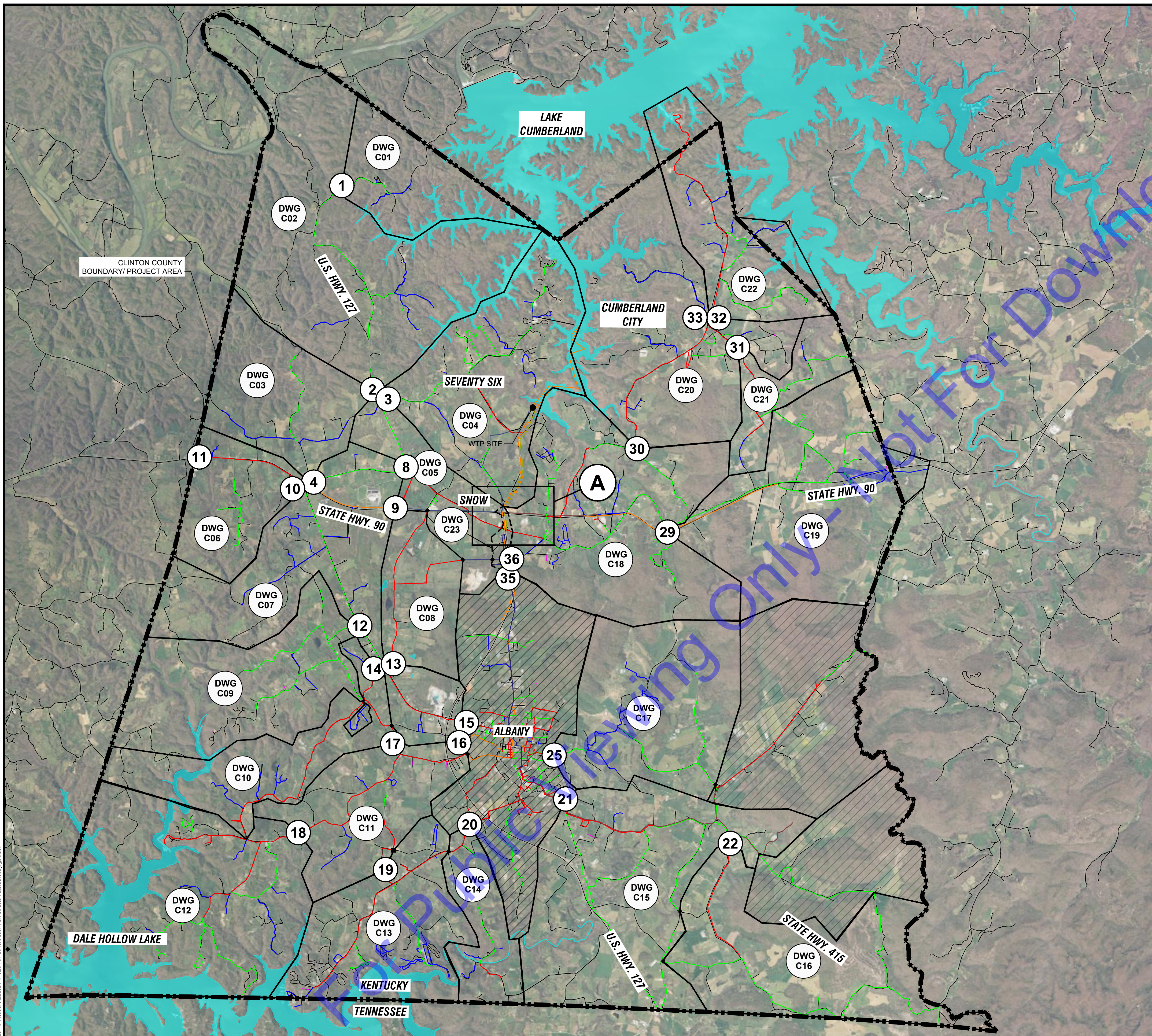
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8/29/24	W24100	AS SHOWN

SYMBOLS & ABBREVIATIONS LEGEND

Drawing No:
G3
 Sheet: 03 OF 31

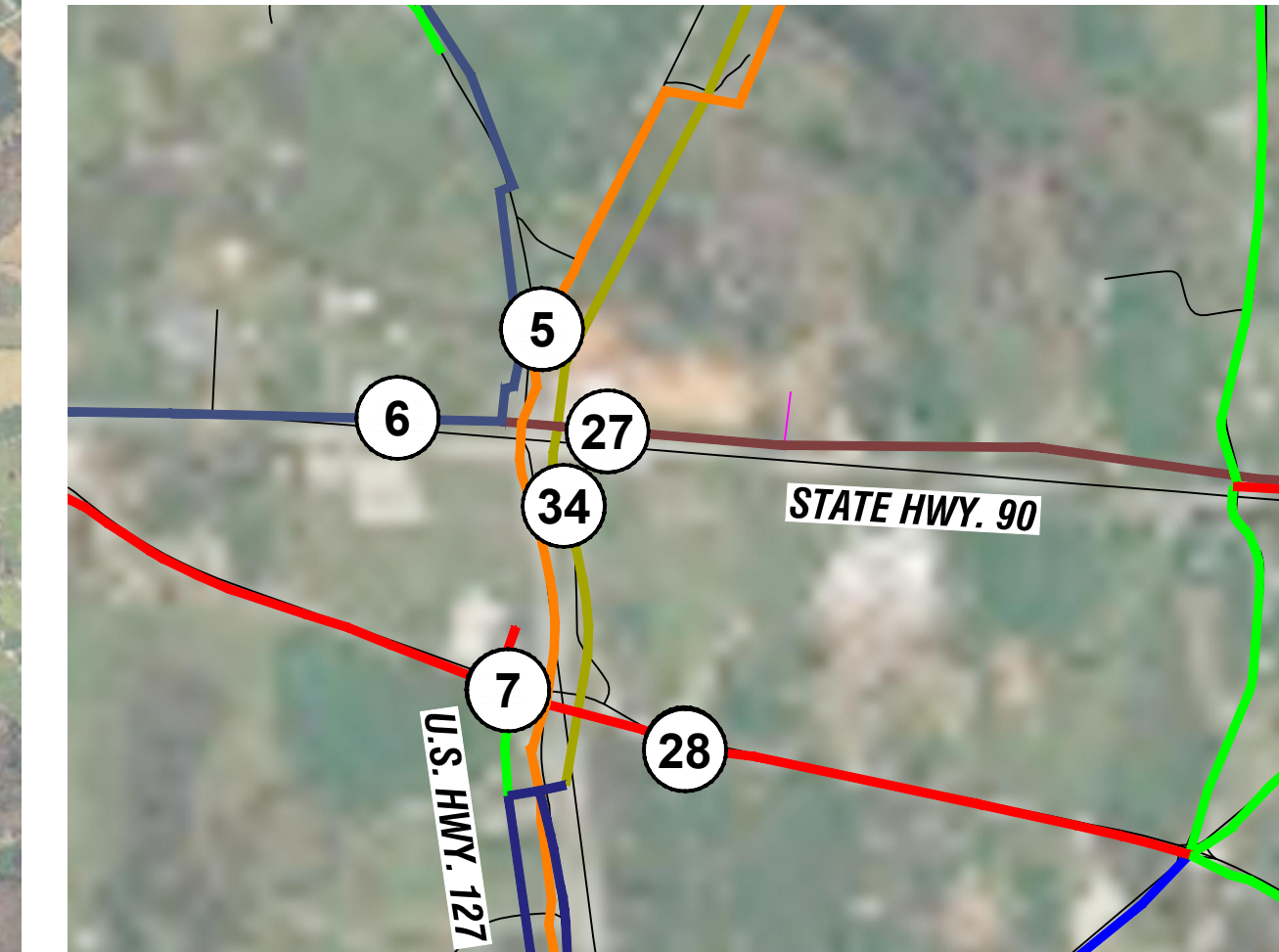
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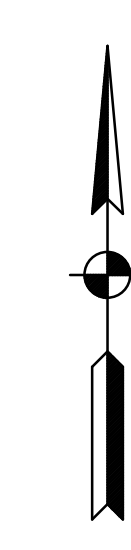
DRAWING INDEX MAP

SCALE: 1"=5000'-0"
 0 5000' 10000'



LEGEND

- (#) METER
- ◆ CLOSED VALVE
- END CAP
- ▭ BASIN DELINATION
- ▨ BASIN NOT IN CONTRACT
- 1-IN WATER MAIN
- 2-IN WATER MAIN
- 3-IN WATER MAIN
- 4-IN WATER MAIN
- 6-IN WATER MAIN
- 8-IN WATER MAIN
- 10-IN WATER MAIN
- 12-IN WATER MAIN
- 14-IN WATER MAIN
- 16-IN WATER MAIN
- 24-IN RAW WATER MAIN



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**CITY OF ALBANY
 CLINTON COUNTY, KENTUCKY
 ZONE METER PROJECT**

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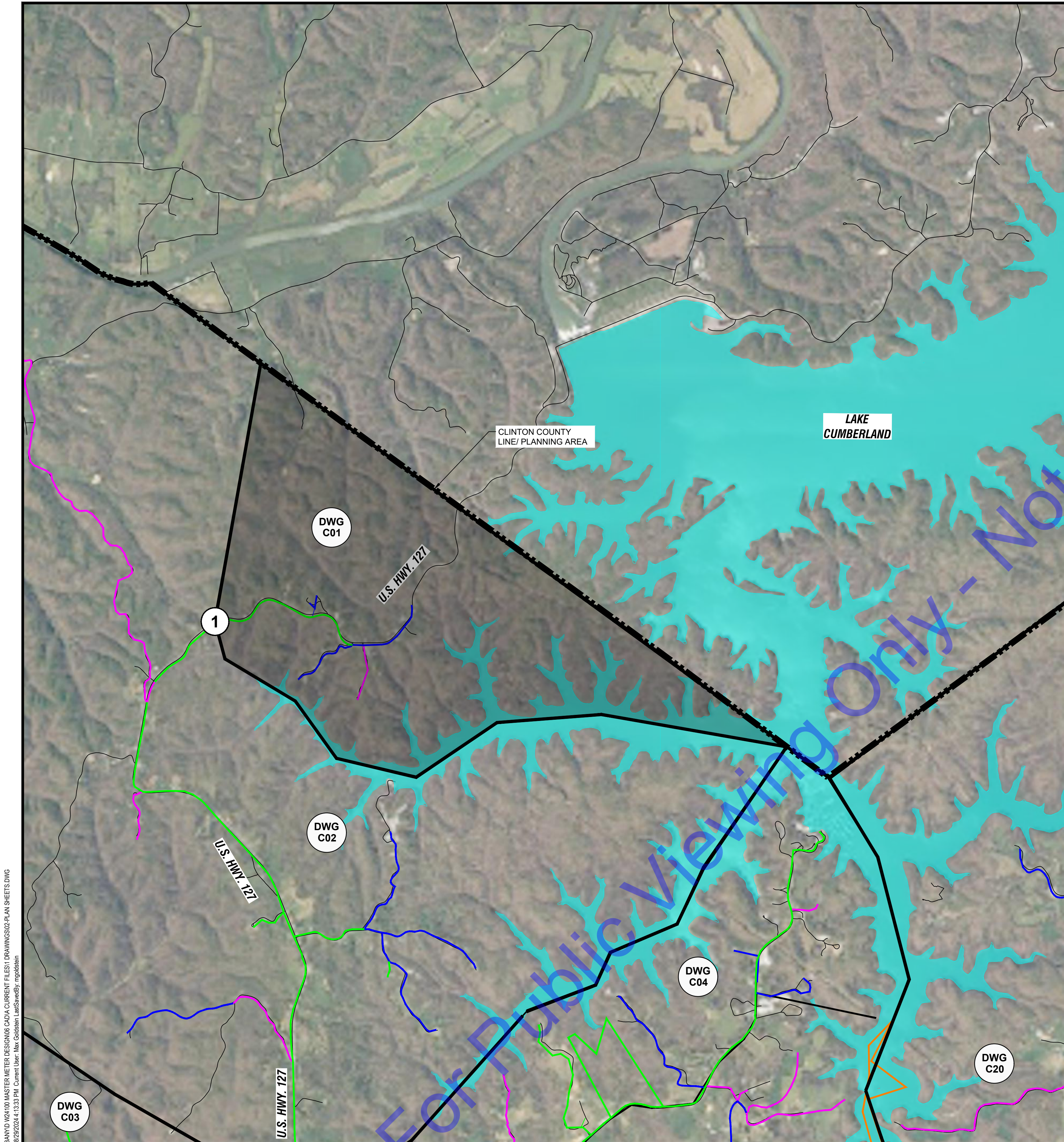
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DRAWING INDEX MAP

Drawing No: **G4**

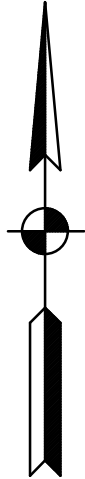
Sheet: 04 OF 31



PLAN - BASIN A

SCALE: 1"=2000'-0"
 0 2000' 4000'

NOTE:
 NORTHING AND EASTING OF EACH METER IS PROVIDED AS REFERENCE ONLY. CONTRACTOR SHALL FIELD VERIFY LOCATION AND SIZE OF WATER MAIN PRIOR TO ORDERING MATERIALS. CONTRACTOR SHALL COORDINATE FINAL METER LOCATION WITH CITY OF ALBANY.



METER 1:

EXISTING MAIN SIZE: 4-INCH

METER LOCATION:
 NORTHING: 1799852.98
 EASTING: 1790518.59

EXISTING WATER MAIN TO BE SHUT OFF DURING WORK.

REMOVE EXISTING METER AND PIT. METER TO BE SALVAGED TO OWNER.

INSTALL NEW METER, VALVES, PIPING, AND STRUCTURE PER "DEAD TAP ZONE METER WITH BYPASS PIPING" DETAIL.

PAID UNDER:

BASE BID ITEM 5: 4-INCH METER ASSEMBLY, DEAD TAP

MA ITEM 4: 4-INCH DEAD TAP, BYPASS PIPING



METER 1: EX. METER (TO BE REPLACED) FACING SE

PHOTO
 NOT TO SCALE

1

- LEGEND**
- # METER
 - ◆ CLOSED VALVE
 - END CAP
 - ▭ BASIN DELINATION
 - ▨ BASIN NOT IN CONTRACT
 - 1-IN WATER MAIN
 - 2-IN WATER MAIN
 - 3-IN WATER MAIN
 - 4-IN WATER MAIN
 - 6-IN WATER MAIN
 - 8-IN WATER MAIN
 - 10-IN WATER MAIN
 - 12-IN WATER MAIN
 - 14-IN WATER MAIN
 - 16-IN WATER MAIN
 - 24-IN RAW WATER MAIN

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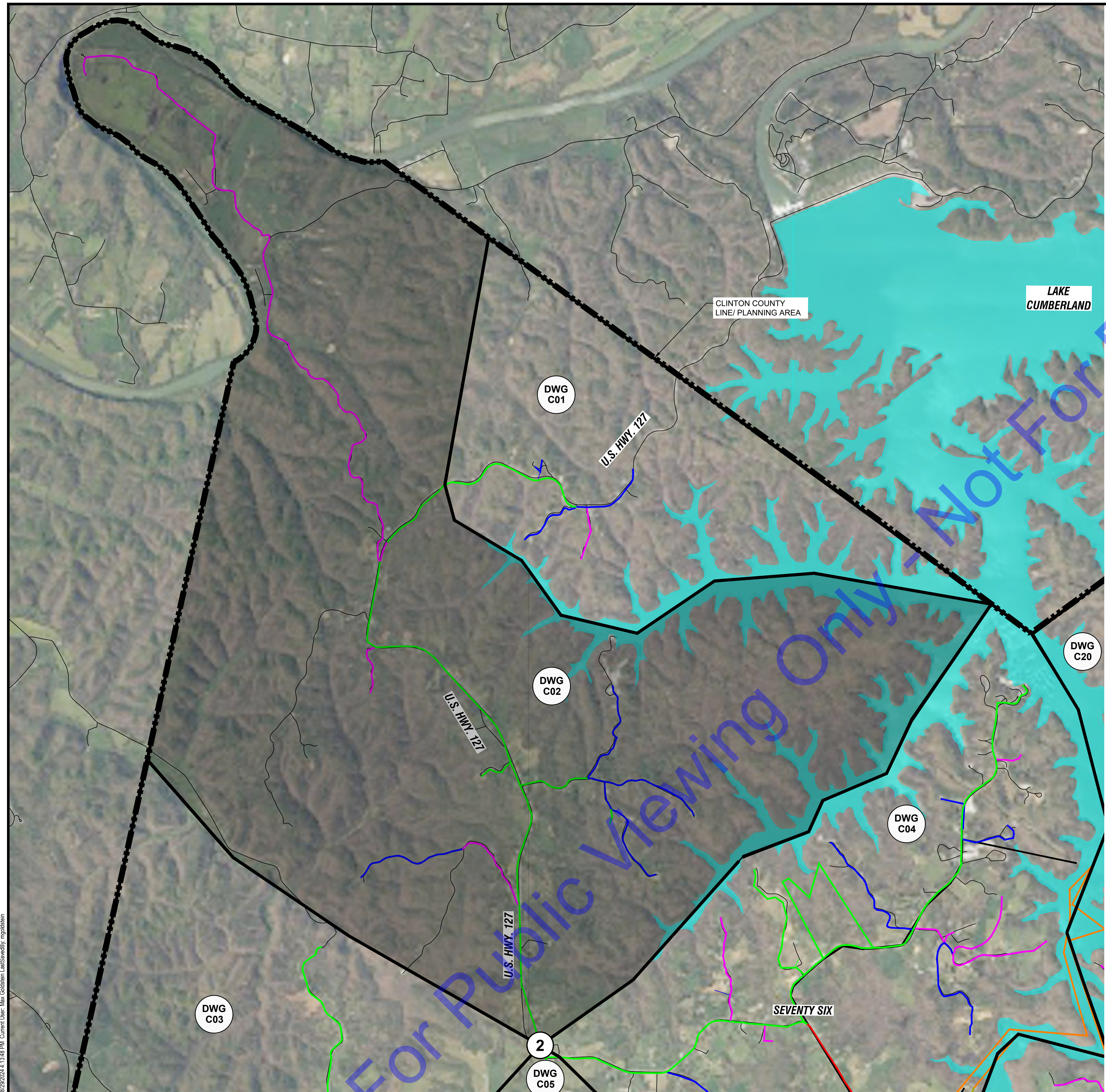
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PLAN - BASIN A

Drawing No:
C01
 Sheet: 05 OF 31

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PLAN - BASIN B
 SCALE: 1"=2000'-0"
 0 2000' 4000'

NOTE:
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METER 2:
 EXISTING MAIN SIZE: 4-INCH

METER LOCATION:
 NORTHING: 1763372.65
 EASTING: 1800120.85

 EXISTING WATER MAIN TO REMAIN LIVE DURING WORK.
 REMOVE EXISTING METER AND PIT. METER TO BE SALVAGED TO OWNER.
 INSTALL NEW METER, VALVES, PIPING, AND STRUCTURE PER "LIVE TAP ZONE METER WITH BYPASS PIPING" DETAIL.

PAID UNDER:
 BASE BID ITEM 4: 4-INCH METER ASSEMBLY, LIVE TAP
 MA ITEM 3: 4-INCH LIVE TAP, BYPASS PIPING



METER 2: EX. METER (TO BE REPLACED)
 FACING SE
PHOTO **2**
 NOT TO SCALE

LEGEND

- # METER
- ◆ CLOSED VALVE
- END CAP
- ▭ BASIN DELINEATION
- ▨ BASIN NOT IN CONTRACT
- 1-IN WATER MAIN
- 2-IN WATER MAIN
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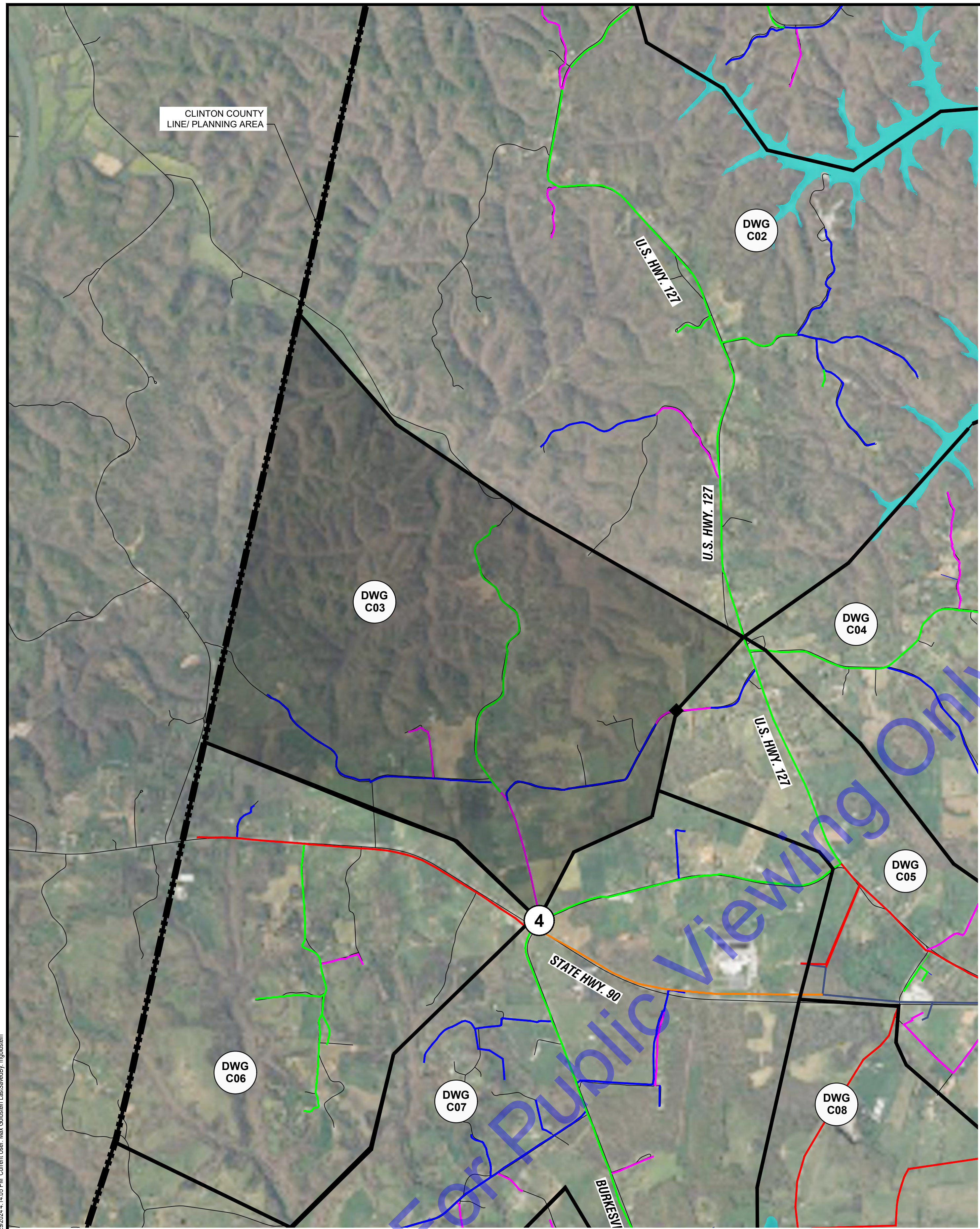
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PLAN - BASIN B

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CLINTON COUNTY
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DWG
C02

U.S. HWY. 127

U.S. HWY. 127

U.S. HWY. 127

DWG
C03

DWG
C04

DWG
C05

4

STATE HWY. 90

DWG
C08

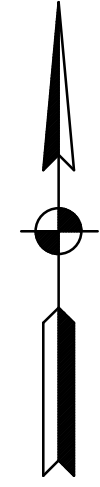
DWG
C07

BURKESVILLE

PLAN - BASIN C

SCALE: 1"=2000'-0"
0 2000' 4000'

NOTE:
NORTHING AND EASTING OF EACH METER IS PROVIDED AS REFERENCE ONLY. CONTRACTOR SHALL FIELD VERIFY LOCATION AND SIZE OF WATER MAIN PRIOR TO ORDERING MATERIALS. CONTRACTOR SHALL COORDINATE FINAL METER LOCATION WITH CITY OF ALBANY.



METER 4:

EXISTING MAIN SIZE: 2-INCH

METER LOCATION:
NORTHING: 1797233.65
EASTING: 1801314.38

EXISTING WATER MAIN TO BE SHUT OFF DURING WORK.

THIS IS A NEW METER LOCATION THAT SHALL BE FIELD VERIFIED WITH OWNER PRIOR TO CONSTRUCTION.

INSTALL NEW METER, VALVES, PIPING, AND STRUCTURE PER "DEAD TAP ZONE METER WITH BYPASS PIPING" DETAIL.

PAID UNDER:

BASE BID ITEM 3: 2-INCH METER ASSEMBLY, DEAD TAP

MA ITEM 2: 2-INCH DEAD TAP, BYPASS PIPING



METER 4: NEW METER
FACING SE

PHOTO 4
NOT TO SCALE

LEGEND

- # METER
- ◆ CLOSED VALVE
- END CAP
- ▭ BASIN DELINATION
- ▨ BASIN NOT IN CONTRACT
- 1-IN WATER MAIN
- 2-IN WATER MAIN
- 3-IN WATER MAIN
- 4-IN WATER MAIN
- 6-IN WATER MAIN
- 8-IN WATER MAIN
- 10-IN WATER MAIN
- 12-IN WATER MAIN
- 14-IN WATER MAIN
- 16-IN WATER MAIN
- 24-IN RAW WATER MAIN

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STATE OF KENTUCKY
TRAVIS S. HARPER
37687
LICENSED PROFESSIONAL ENGINEER

Signature _____ Date 8/29/24

CITY OF ALBANY
CLINTON COUNTY, KENTUCKY
ZONE METER PROJECT

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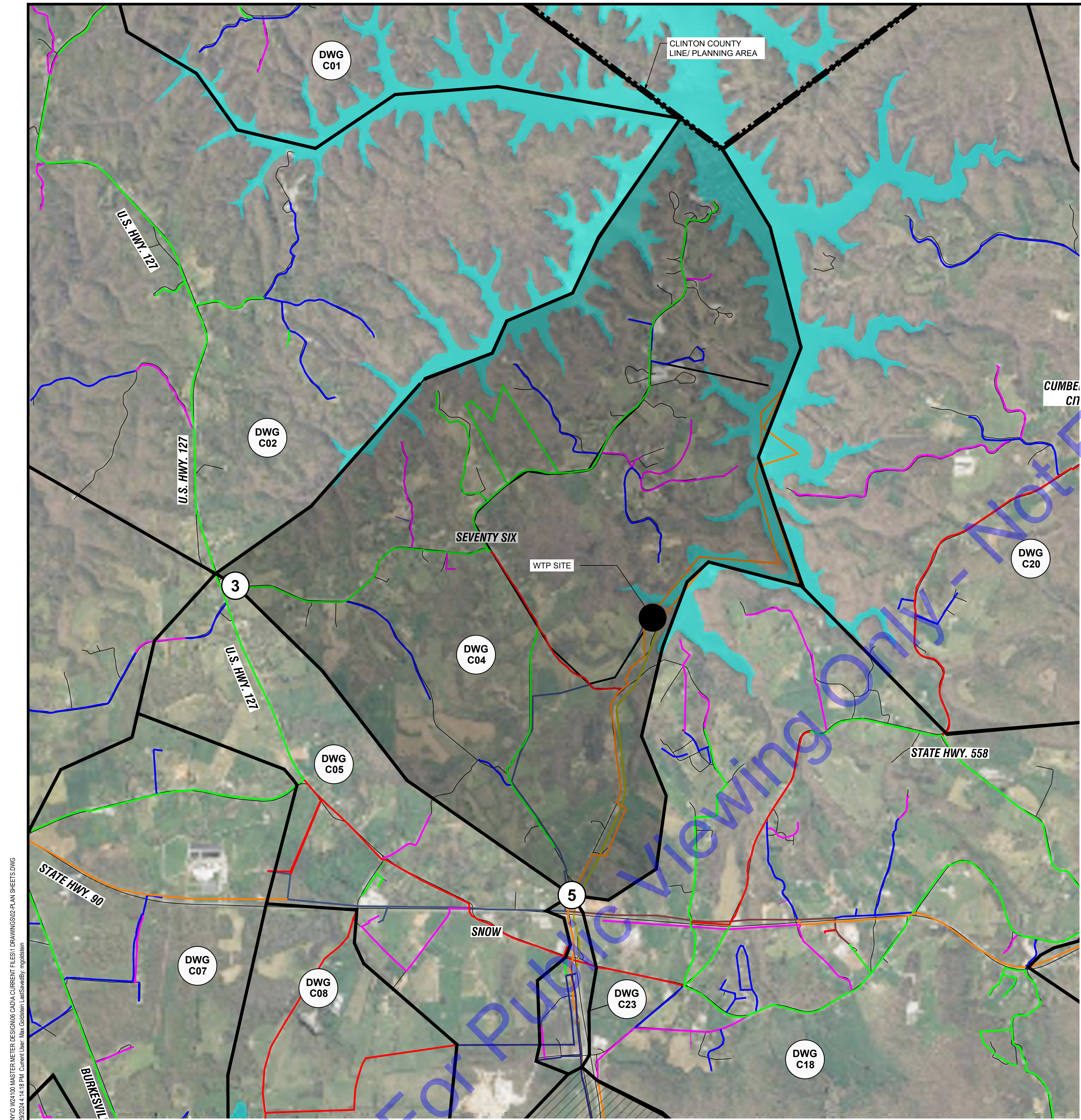
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No.	Submittal / Revision	Date	By

Designed By: ---	Drawn By: MAG	Checked By: ---
Issue Date: 8/29/24	Project No: W24100	Scale: AS SHOWN

PLAN - BASIN C

Drawing No:
C03
Sheet: 07 OF 31



PLAN - BASIN D
 SCALE: 1"=2000'-0"
 0 2000' 4000'

NOTE:
 NORTHING AND EASTING OF EACH METER IS PROVIDED AS REFERENCE ONLY. CONTRACTOR SHALL FIELD VERIFY LOCATION AND SIZE OF WATER MAIN PRIOR TO ORDERING MATERIALS. CONTRACTOR SHALL COORDINATE FINAL METER LOCATION WITH CITY OF ALBANY.

METER 3:
 EXISTING MAIN SIZE: 4-INCH
 METER LOCATION:
 NORTHING: 1763372.65
 EASTING: 1800120.85
 EXISTING WATER MAIN TO BE SHUT OFF DURING WORK.
 REMOVE EXISTING METER AND PIT. METER TO BE SALVAGED TO OWNER.
 INSTALL NEW METER, VALVES, PIPING, AND STRUCTURE PER "ZONE METER WITH NO BYPASS PIPING" DETAIL.
 PAID UNDER:
 BASE BID ITEM 5: 4-INCH METER ASSEMBLY, DEAD TAP
 NOTE: PROTECT OR REMOVE/REINSTALL CHURCH SIGN AS REQUIRED.



METER 3: EX. METER (TO BE REPLACED) FACING EAST
PHOTO 3
 NOT TO SCALE

METER 5:
 EXISTING MAIN SIZE: 8-INCH
 METER LOCATION:
 NORTHING: 1826209.98
 EASTING: 1804359.30
 EXISTING WATER MAIN TO REMAIN LIVE DURING WORK.
 THIS IS A NEW METER LOCATION THAT SHALL BE FIELD VERIFIED WITH OWNER PRIOR TO CONSTRUCTION.
 INSTALL NEW METER, VALVES, PIPING, AND STRUCTURE PER "LIVE TAP ZONE METER WITH BYPASS PIPING" DETAIL.
 PAID UNDER:
 BASE BID ITEM 8: 8-INCH METER ASSEMBLY, LIVE TAP
 MA ITEM 7: 8-INCH LIVE TAP, BYPASS PIPING
 NOTE: HYDRANT TO REMAIN IN PLACE. METER ASSEMBLY AND BYPASS PIPING TO BE INSTALLED SOUTH (UPSTREAM) OF HYDRANT.



METER 5: NEW METER FACING SOUTH
PHOTO 5
 NOT TO SCALE

LEGEND

- # METER
- ◆ CLOSED VALVE
- END CAP
- ▭ BASIN DELINATION
- ▨ BASIN NOT IN CONTRACT
- 1-IN WATER MAIN
- 2-IN WATER MAIN
- 3-IN WATER MAIN
- 4-IN WATER MAIN
- 6-IN WATER MAIN
- 8-IN WATER MAIN
- 10-IN WATER MAIN
- 12-IN WATER MAIN
- 14-IN WATER MAIN
- 16-IN WATER MAIN
- 24-IN RAW WATER MAIN

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Signature: _____ Date: 8/29/24

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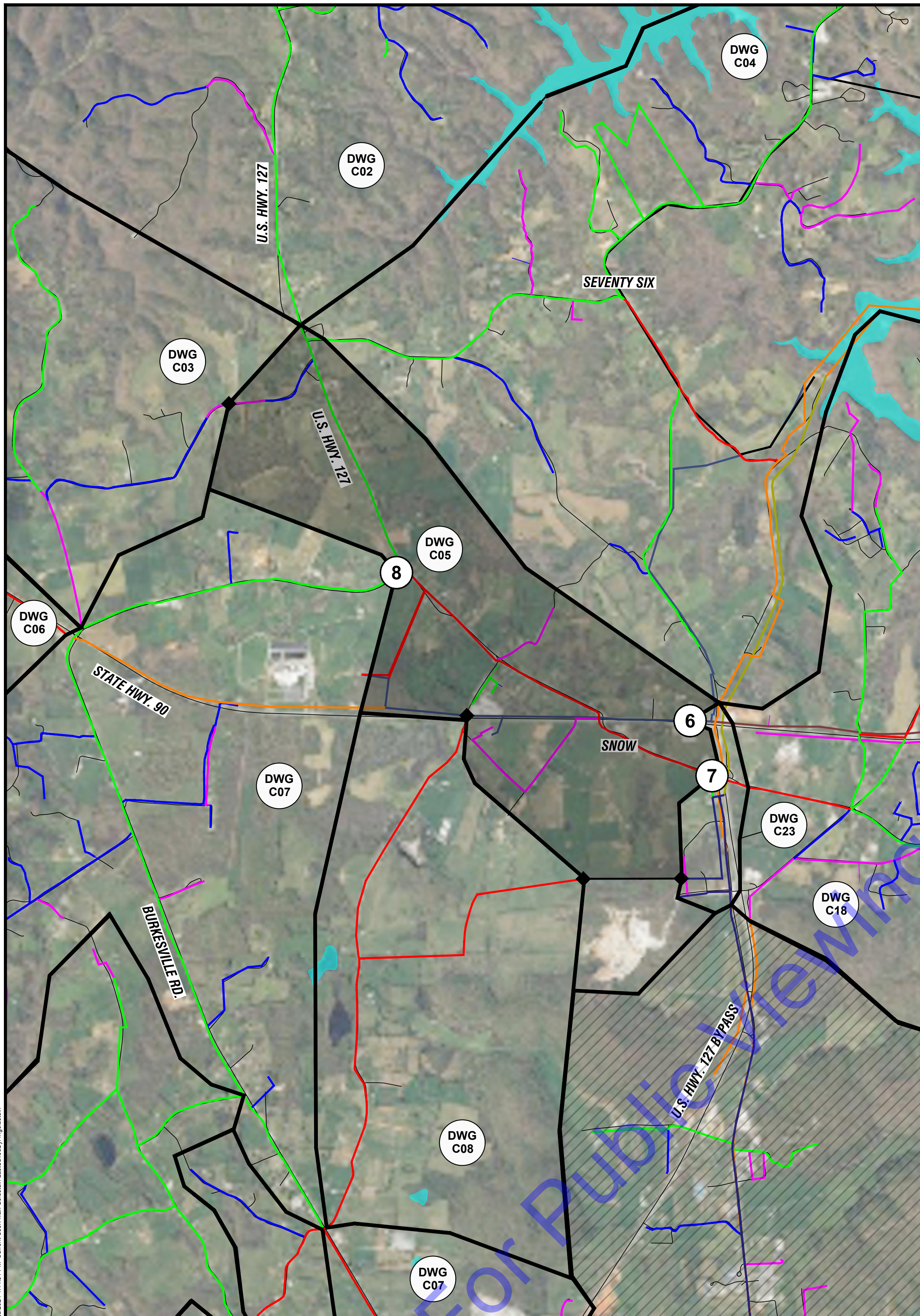
Date			
By			
Submitted / Revision			
No.			

Designed By: MAG Drawn By: MAG Checked By: MAG
 Issue Date: 8/29/24 Project No: W24100 Scale: AS SHOWN

PLAN - BASIN D
 Drawing No: **C04**
 Sheet: 08 OF 31

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LEGEND

- # METER
- ◆ CLOSED VALVE
- END CAP
- ▭ BASIN DELINEATION
- ▨ BASIN NOT IN CONTRACT
- 1-IN WATER MAIN
- 2-IN WATER MAIN
- 3-IN WATER MAIN
- 4-IN WATER MAIN
- 6-IN WATER MAIN
- 8-IN WATER MAIN
- 10-IN WATER MAIN
- 12-IN WATER MAIN
- 14-IN WATER MAIN
- 16-IN WATER MAIN
- 24-IN RAW WATER MAIN

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METER 8:
 EXISTING MAIN SIZE: 4-INCH
 METER LOCATION:
 NORTHING: 1779539.57
 EASTING: 1808418.33

EXISTING WATER MAIN TO BE SHUT OFF DURING WORK.

REMOVE EXISTING METER AND PIT. METER TO BE SALVAGED TO OWNER.

INSTALL NEW METER, VALVES, PIPING, AND STRUCTURE PER "ZONE METER WITH NO BYPASS PIPING" DETAIL.

PAID UNDER:
 BASE BID ITEM 5: 4-INCH METER ASSEMBLY, DEAD TAP



METER 8: EX. METER (TO BE REPLACED)
 FACING WEST
 PHOTO 8
 NOT TO SCALE

METER 6:
 EXISTING MAIN SIZE: 16-INCH
 METER LOCATION:
 NORTHING: 1783476.32
 EASTING: 1806092.62

EXISTING WATER MAIN TO BE SHUT OFF DURING WORK.

INSERTION VALVES MAY BE REQUIRED TO BE INSTALLED BEFORE THE REMOVAL OF EXISTING METER AND PIPING. METER TO BE SALVAGED TO OWNER.

INSTALL INSERTION VALVES AS REQUIRED. THEN INSTALL NEW METER, VALVES, AND PIPING, PER "DEAD TAP ZONE METER WITH BYPASS PIPING" DETAIL.

PAID UNDER:
 BASE BID ITEM 13: 16-INCH METER ASSEMBLY, DEAD TAP
 MA ITEM 14: 16-INCH DEAD TAP, BYPASS PIPING

NOTE:
 CONTRACTOR SHALL UTILIZE EXISTING TEES AND MAIN LINE VALVE. EXISTING STRUCTURE SHALL BE UTILIZED AS NEW METER PIT.



METER 6: EX. METER (TO BE REPLACED)
 FACING EAST
 PHOTO 6
 NOT TO SCALE

METER 7:
 EXISTING MAIN SIZE: 6-INCH
 METER LOCATION:
 NORTHING: 1806182.06
 EASTING: 1807761.83

EXISTING WATER MAIN TO BE SHUT OFF DURING WORK.

THIS IS A NEW METER LOCATION THAT SHALL BE FIELD VERIFIED WITH OWNER PRIOR TO CONSTRUCTION.

INSTALL NEW METER, VALVES, PIPING, AND STRUCTURE PER "DEAD TAP ZONE METER WITH BYPASS PIPING" DETAIL.

PAID UNDER:
 BASE BID ITEM 7: 6-INCH METER ASSEMBLY, DEAD TAP
 MA ITEM 6: 6-INCH DEAD TAP, BYPASS PIPING



METER 7: NEW METER
 FACING NE
 PHOTO 7
 NOT TO SCALE

PLAN - BASIN E
 SCALE: 1"=2000'-0"
 0 2000' 4000'

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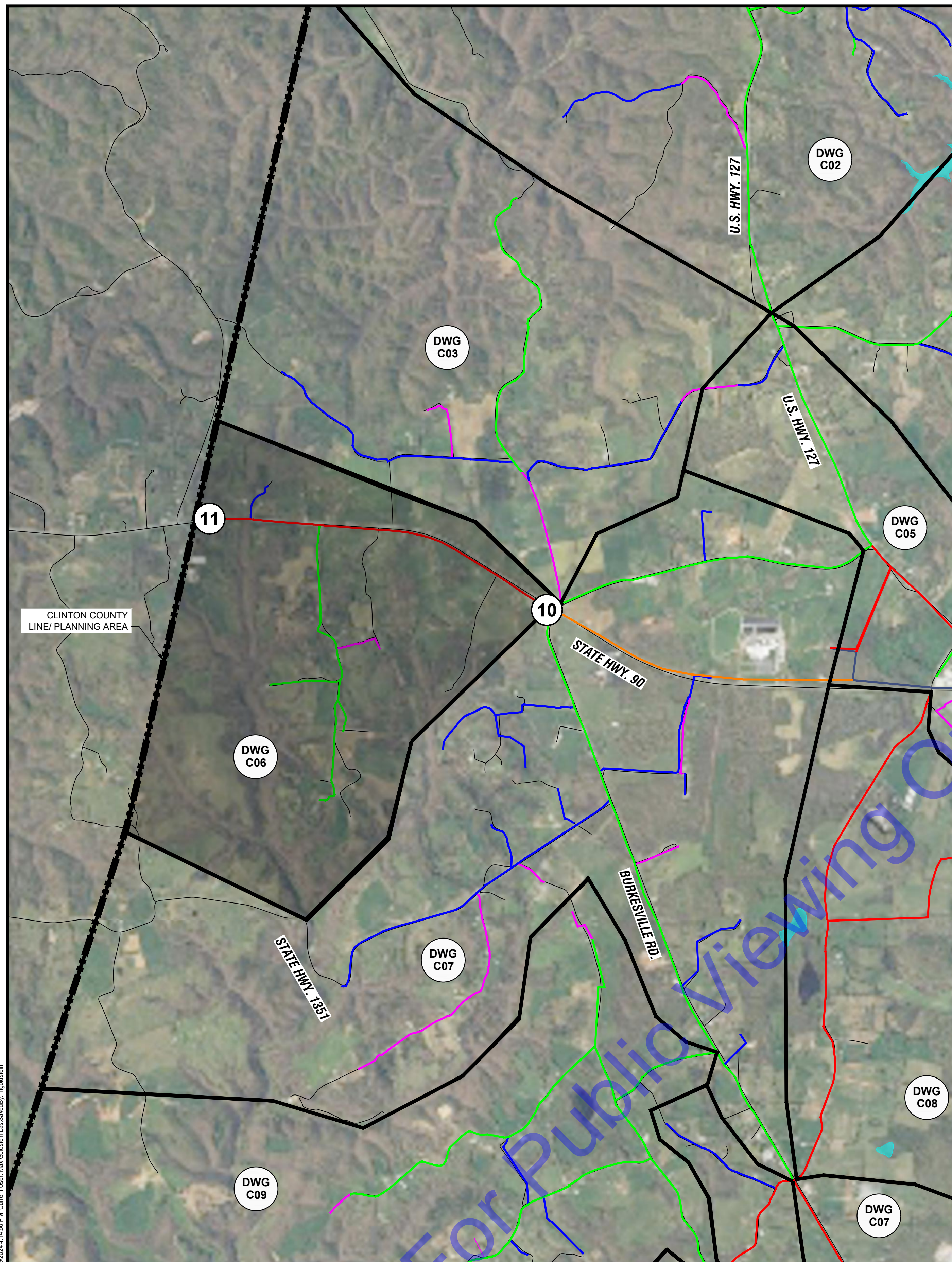
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 Issue Date: 8/29/24 Project No: W24100 Scale: AS SHOWN

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PLAN - BASIN F
 SCALE: 1"=2000'-0"
 0 2000' 4000'

NOTE:
 NORTHING AND EASTING OF EACH METER IS PROVIDED AS REFERENCE ONLY. CONTRACTOR SHALL FIELD VERIFY LOCATION AND SIZE OF WATER MAIN PRIOR TO ORDERING MATERIALS. CONTRACTOR SHALL COORDINATE FINAL METER LOCATION WITH CITY OF ALBANY.

LEGEND

⊕	METER
◆	CLOSED VALVE
■	END CAP
▭	BASIN DELINATION
▨	BASIN NOT IN CONTRACT
— (Pink)	1-IN WATER MAIN
— (Purple)	2-IN WATER MAIN
— (Blue)	3-IN WATER MAIN
— (Green)	4-IN WATER MAIN
— (Red)	6-IN WATER MAIN
— (Orange)	8-IN WATER MAIN
— (Dark Blue)	10-IN WATER MAIN
— (Light Blue)	12-IN WATER MAIN
— (Yellow)	14-IN WATER MAIN
— (Light Green)	16-IN WATER MAIN
— (Dark Green)	24-IN RAW WATER MAIN

METER 10:
 EXISTING MAIN SIZE: 6-INCH
 METER LOCATION:
 NORTHING: 1779587.08
 EASTING: 1808550.84

EXISTING WATER MAIN TO BE SHUT OFF DURING WORK.

INSERTION VALVES MAY BE REQUIRED TO BE INSTALLED BEFORE THE REMOVAL OF EXISTING METER AND PIPING. METER TO BE SALVAGED TO OWNER.

INSTALL INSERTION VALVES AS REQUIRED. THEN INSTALL NEW METER, VALVES, AND PIPING, PER "DEAD TAP ZONE METER WITH BYPASS PIPING" DETAIL.

PAID UNDER:
 BASE BID ITEM 7: 6-INCH METER ASSEMBLY, DEAD TAP
 MA ITEM 6: 6-INCH DEAD TAP, BYPASS PIPING

NOTE:
 CONTRACTOR SHALL UTILIZE EXISTING TEES AND MAIN LINE VALVE. EXISTING STRUCTURE SHALL BE UTILIZED AS NEW METER PIT

METER 11:
 EXISTING MAIN SIZE: 6-INCH
 METER LOCATION:
 NORTHING: 1759780.74
 EASTING: 1808595.22

EXISTING WATER MAIN TO BE SHUT OFF DURING WORK.

INSERTION VALVES MAY BE REQUIRED TO BE INSTALLED BEFORE THE REMOVAL OF EXISTING METER AND PIPING. METER TO BE SALVAGED TO OWNER.

INSTALL INSERTION VALVES AS REQUIRED. THEN INSTALL NEW METER, VALVES, AND PIPING, PER "DEAD TAP ZONE METER WITH BYPASS PIPING" DETAIL.

PAID UNDER:
 BASE BID ITEM 7: 6-INCH METER ASSEMBLY, DEAD TAP
 MA ITEM 6: 6-INCH DEAD TAP, BYPASS PIPING

NOTE:
 CONTRACTOR SHALL UTILIZE EXISTING TEES AND MAIN LINE VALVE. EXISTING STRUCTURE SHALL BE UTILIZED AS NEW METER PIT



METER 10: EX. METER (TO BE REPLACED) FACING EAST
PHOTO 10
 NOT TO SCALE



METER 11: COORDINATE WITH OWNER TO ACCESS GATE FACING NE
PHOTO 11
 NOT TO SCALE



METER 11: EX. METER (TO BE REPLACED) FACING SW
PHOTO 11
 NOT TO SCALE

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Signature _____ Date 8/29/24

CITY OF ALBANY
 CLINTON COUNTY, KENTUCKY
 ZONE METER PROJECT

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By			
No.	Submittal / Revision		

Designed By: Drawn By: Checked By:
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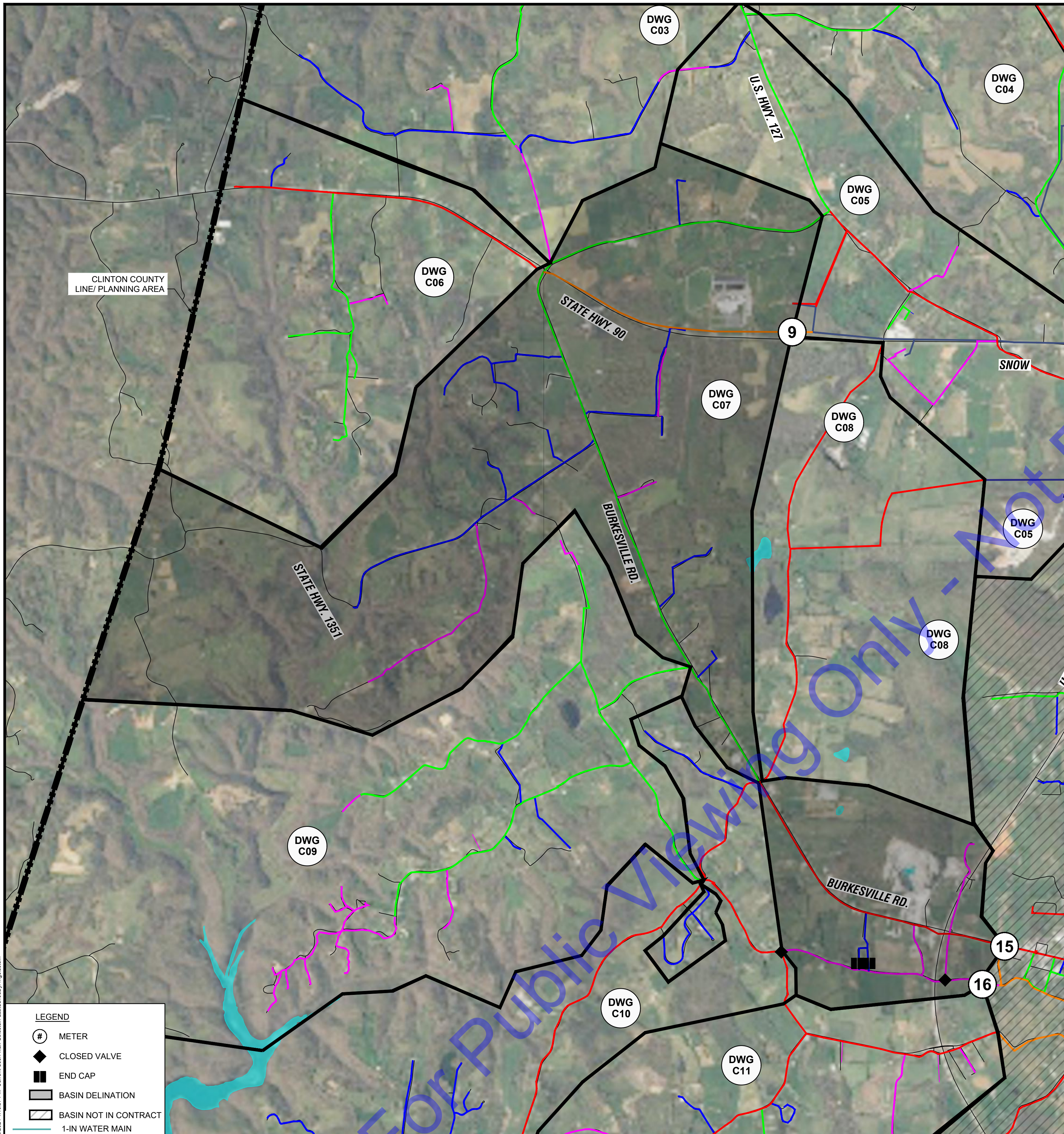
Issue Date: 8/29/24 Project No: W24100 Scale: AS SHOWN

PLAN - BASIN F

Drawing No:
C06

Sheet: 10 OF 31

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PLAN - BASIN G

SCALE: 1"=2000'-0"
 0 2000' 4000'

NOTE:
 NORTHING AND EASTING OF EACH METER IS PROVIDED AS REFERENCE ONLY. CONTRACTOR SHALL FIELD VERIFY LOCATION AND SIZE OF WATER MAIN PRIOR TO ORDERING MATERIALS. CONTRACTOR SHALL COORDINATE FINAL METER LOCATION WITH CITY OF ALBANY.

METER 9:
 EXISTING MAIN SIZE: 8-INCH

METER LOCATION:
 NORTHING: 1805759.52
 EASTING: 1808447.81

EXISTING WATER MAIN TO REMAIN LIVE DURING WORK.

THIS IS A NEW METER LOCATION THAT SHALL BE FIELD VERIFIED WITH OWNER PRIOR TO CONSTRUCTION.

INSTALL NEW METER, VALVES, PIPING, AND STRUCTURE PER "LIVE TAP ZONE METER WITH BYPASS PIPING" DETAIL.

PAID UNDER:

BASE BID ITEM 8: 8-INCH METER ASSEMBLY, LIVE TAP

MA ITEM 7: 8-INCH LIVE TAP, BYPASS PIPING



METER 9: NEW METER FACING SW

PHOTO

NOT TO SCALE

9

METER 15:
 EXISTING MAIN SIZE: 6-INCH

METER LOCATION:
 NORTHING: 1772643.76
 EASTING: 1816049.06

EXISTING WATER MAIN TO BE SHUT OFF DURING WORK.

THIS IS A NEW METER LOCATION THAT SHALL BE FIELD VERIFIED WITH OWNER PRIOR TO CONSTRUCTION.

INSTALL NEW METER, VALVES, PIPING, AND STRUCTURE PER "DEAD TAP ZONE METER WITH BYPASS PIPING" DETAIL.

PAID UNDER:

BASE BID ITEM 7: 6-INCH METER ASSEMBLY, DEAD TAP

MA ITEM 6: 6-INCH DEAD TAP, BYPASS PIPING



METER 15: NEW METER FACING E

PHOTO

NOT TO SCALE

15

METER 16:
 EXISTING MAIN SIZE: 2-INCH

METER LOCATION:
 NORTHING: 1764165.96
 EASTING: 1816761.03

EXISTING WATER MAIN TO REMAIN LIVE DURING WORK.

THIS IS A NEW METER LOCATION THAT SHALL BE FIELD VERIFIED WITH OWNER PRIOR TO CONSTRUCTION.

INSTALL NEW METER, VALVES, PIPING, AND STRUCTURE PER "LIVE TAP ZONE METER WITH BYPASS PIPING" DETAIL.

PAID UNDER:

BASE BID ITEM 2: 2-INCH METER ASSEMBLY, LIVE TAP

MA ITEM 1: 2-INCH LIVE TAP, BYPASS PIPING



METER 16: NEW METER FACING WEST

PHOTO

NOT TO SCALE

16

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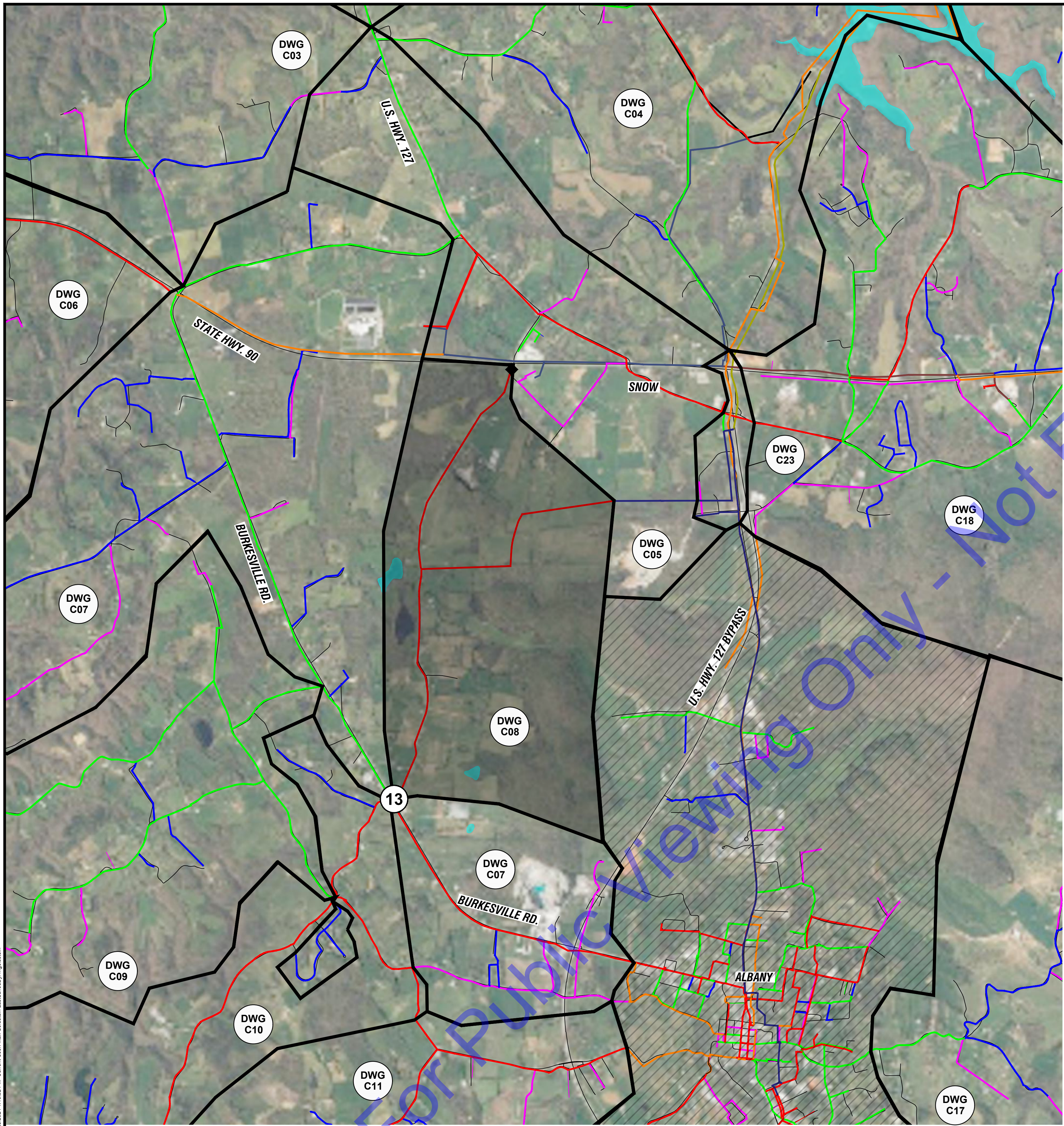
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 8/29/24 W24100 AS SHOWN

PLAN - BASIN G

Drawing No:
C07

Sheet: 11 OF 31

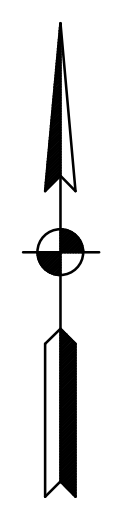
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PLAN - BASIN H

SCALE: 1"=2000'-0"
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NOTE:
 NORTHING AND EASTING OF EACH METER IS PROVIDED AS REFERENCE ONLY. CONTRACTOR SHALL FIELD VERIFY LOCATION AND SIZE OF WATER MAIN PRIOR TO ORDERING MATERIALS. CONTRACTOR SHALL COORDINATE FINAL METER LOCATION WITH CITY OF ALBANY.



METER 9:
 EXISTING MAIN SIZE: 6-INCH

METER LOCATION:
 NORTHING: 1794903.25
 EASTING: 1809555.35

EXISTING WATER MAIN TO BE SHUT OFF DURING WORK.

THIS IS A NEW METER LOCATION THAT SHALL BE FIELD VERIFIED WITH OWNER PRIOR TO CONSTRUCTION.

INSTALL NEW METER, VALVES, PIPING, AND STRUCTURE PER "DEAD TAP ZONE METER WITH BYPASS PIPING" DETAIL.

PAID UNDER:

BASE BID ITEM 7: 6-INCH METER ASSEMBLY, DEAD TAP

MA ITEM 6: 6-INCH DEAD TAP, BYPASS PIPING



METER 13: NEW METER FACING NE

PHOTO

NOT TO SCALE

13

LEGEND	
(#)	METER
◆	CLOSED VALVE
■	END CAP
▭	BASIN DELINATION
▭	BASIN NOT IN CONTRACT
Blue line	1-IN WATER MAIN
Magenta line	2-IN WATER MAIN
Green line	3-IN WATER MAIN
Cyan line	4-IN WATER MAIN
Red line	6-IN WATER MAIN
Orange line	8-IN WATER MAIN
Yellow line	10-IN WATER MAIN
Light green line	12-IN WATER MAIN
Light blue line	14-IN WATER MAIN
Light purple line	16-IN WATER MAIN
Dark blue line	24-IN RAW WATER MAIN

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STATE OF KENTUCKY
 TRAVIS S. HARPER
 37687
 LICENSED PROFESSIONAL ENGINEER

Signature _____ Date 8/29/24

CITY OF ALBANY
 CLINTON COUNTY, KENTUCKY

ZONE METER PROJECT

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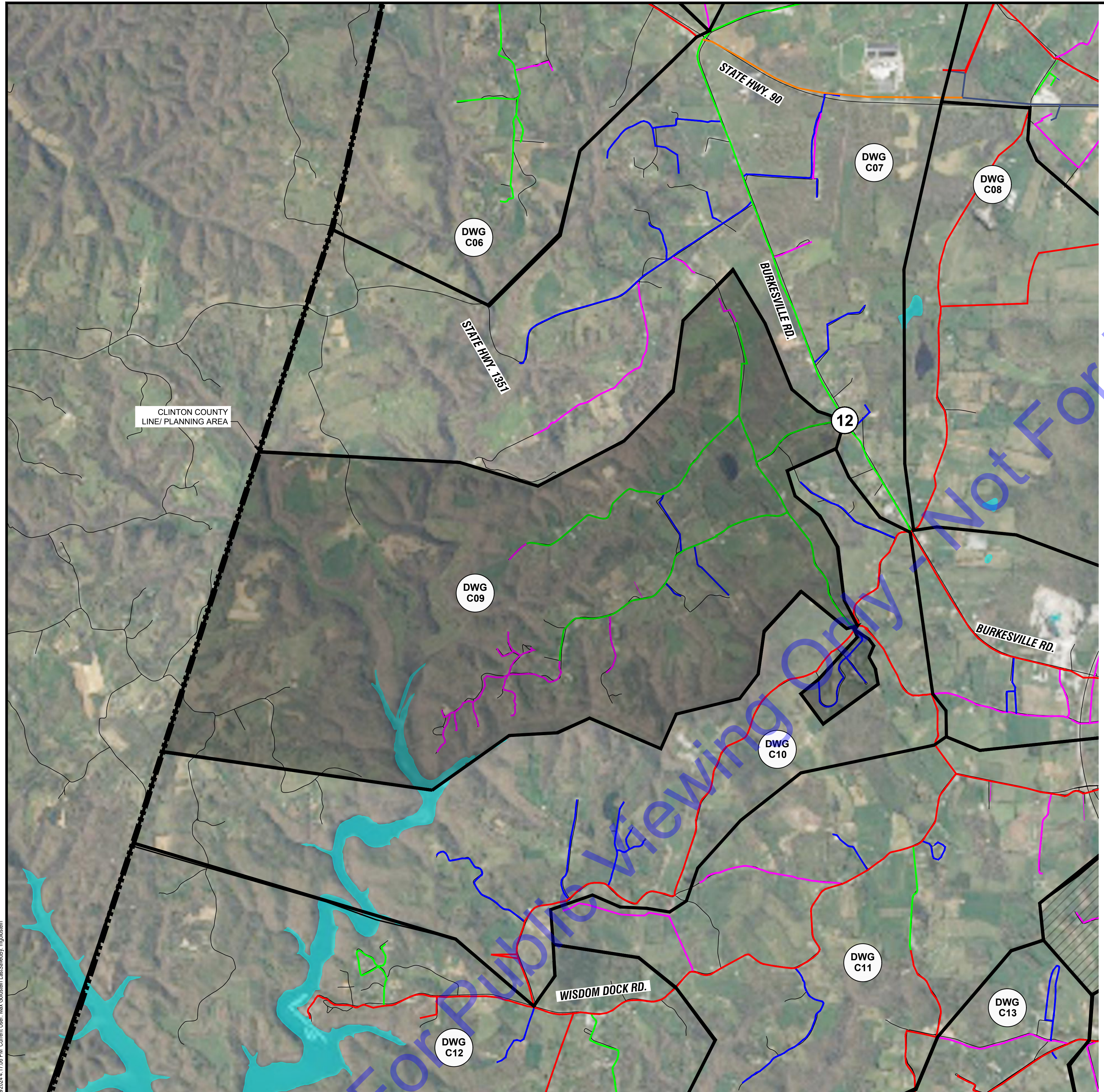
Date	By	Submitted / Revision

Designed By: ---	Drawn By: MAG	Checked By: ---
Issue Date: 8/29/24	Project No: W24100	Scale: AS SHOWN

PLAN - BASIN H

Drawing No:
C08

Sheet: 12 OF 31



METER 12:

EXISTING MAIN SIZE: 4-INCH

METER LOCATION:
NORTHING: 1772016.56
EASTING: 1809302.07

EXISTING WATER MAIN TO REMAIN LIVE DURING WORK.

THIS IS A NEW METER LOCATION THAT SHALL BE FIELD VERIFIED WITH OWNER PRIOR TO CONSTRUCTION.

INSTALL NEW METER, VALVES, PIPING, AND STRUCTURE PER "LIVE TAP ZONE METER WITH BYPASS PIPING" DETAIL.

PAID UNDER:

BASE BID ITEM 4: 4-INCH METER ASSEMBLY, LIVE TAP

MA ITEM 3: 4-INCH LIVE TAP, BYPASS PIPING

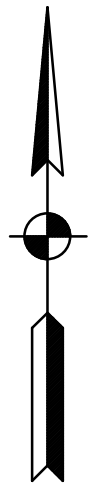


METER 12: NEW METER FACING SE

PHOTO

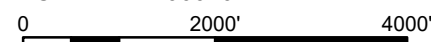
NOT TO SCALE

12



PLAN - BASIN I

SCALE: 1"=2000'-0"



NOTE:
NORTHING AND EASTING OF EACH METER IS PROVIDED AS REFERENCE ONLY. CONTRACTOR SHALL FIELD VERIFY LOCATION AND SIZE OF WATER MAIN PRIOR TO ORDERING MATERIALS. CONTRACTOR SHALL COORDINATE FINAL METER LOCATION WITH CITY OF ALBANY.

LEGEND	
(#)	METER
◆	CLOSED VALVE
■	END CAP
▭	BASIN DELINATION
▨	BASIN NOT IN CONTRACT
— (Blue)	1-IN WATER MAIN
— (Magenta)	2-IN WATER MAIN
— (Green)	3-IN WATER MAIN
— (Cyan)	4-IN WATER MAIN
— (Yellow)	6-IN WATER MAIN
— (Orange)	8-IN WATER MAIN
— (Purple)	10-IN WATER MAIN
— (Dark Blue)	12-IN WATER MAIN
— (Light Blue)	14-IN WATER MAIN
— (Black)	16-IN WATER MAIN
— (Red)	24-IN RAW WATER MAIN

File: Z:\BANDON\CLINTON\1851\1851 MASTER METER DESIGN\DWG\1851 MASTER METER DESIGN\1851 MASTER METER PLAN SHEETS.DWG
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 TRAVIS S. HARPER
 37687
 LICENSED PROFESSIONAL ENGINEER

Signature _____ Date 8/29/24

CITY OF ALBANY
 CLINTON COUNTY, KENTUCKY
 ZONE METER PROJECT

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Date	By	Submitted / Revision

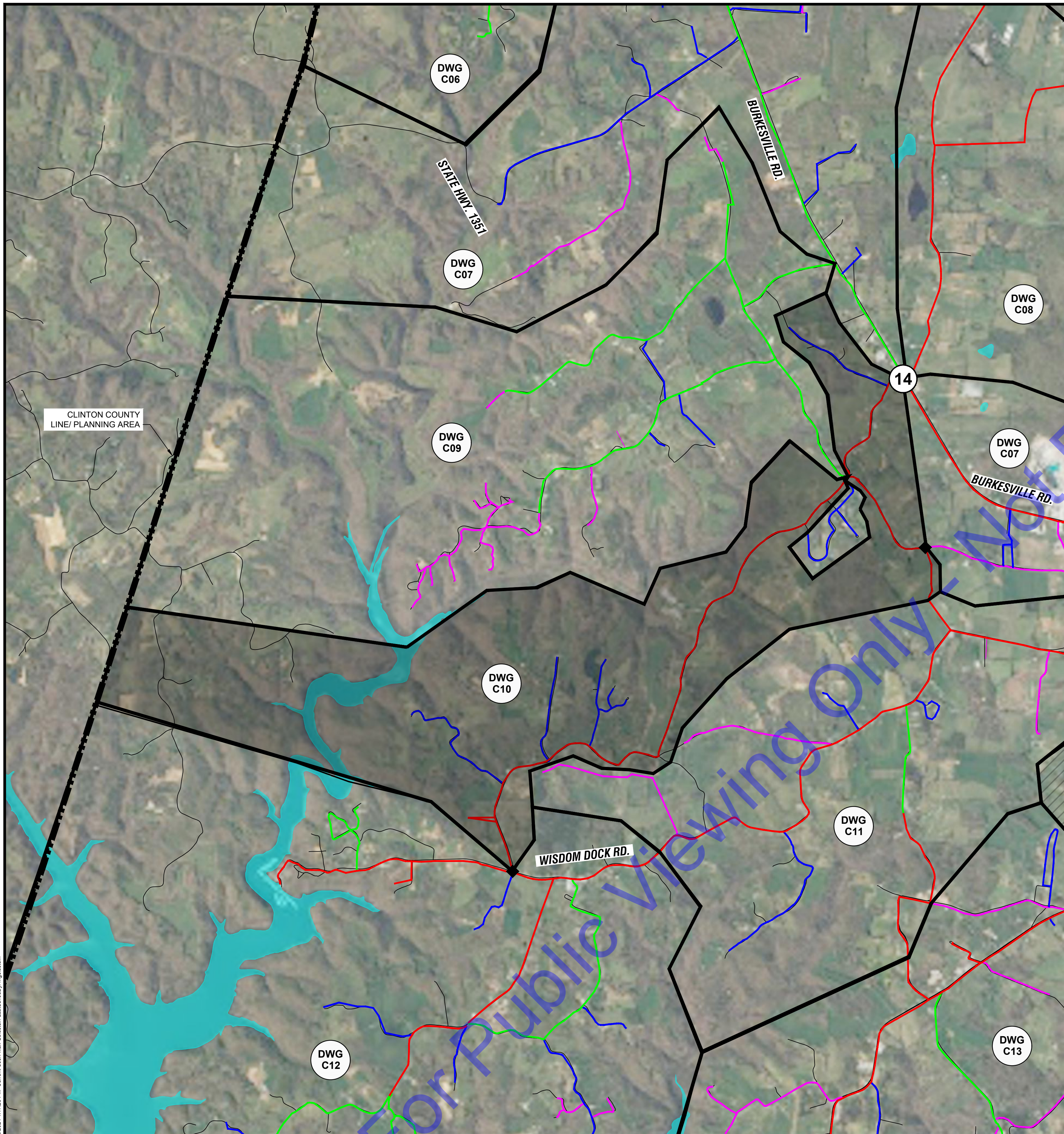
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PLAN - BASIN I

Drawing No:
C09

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PLAN - BASIN J

SCALE: 1"=2000'-0"
 0 2000' 4000'

NOTE:
 NORTHING AND EASTING OF EACH METER IS PROVIDED AS REFERENCE ONLY. CONTRACTOR SHALL FIELD VERIFY LOCATION AND SIZE OF WATER MAIN PRIOR TO ORDERING MATERIALS. CONTRACTOR SHALL COORDINATE FINAL METER LOCATION WITH CITY OF ALBANY.

METER 14:
 EXISTING MAIN SIZE: 6-INCH
 METER LOCATION:
 NORTHING: 1798880.84
 EASTING: 1810589.09

EXISTING WATER MAIN TO BE SHUT OFF DURING WORK.

REMOVE EXISTING METER AND PIT. METER TO BE SALVAGED TO OWNER.

INSTALL NEW METER, VALVES, PIPING, AND STRUCTURE PER "ZONE METER WITH NO BYPASS PIPING" DETAIL.

PAID UNDER:
 BASE BID ITEM 7: 6-INCH METER ASSEMBLY, DEAD TAP



METER 14: EX. METER (TO BE REPLACED) FACING NE
PHOTO
 NOT TO SCALE

14

LEGEND

(#)	METER
◆	CLOSED VALVE
■	END CAP
▭	BASIN DELINATION
▨	BASIN NOT IN CONTRACT
— (light blue)	1-IN WATER MAIN
— (magenta)	2-IN WATER MAIN
— (blue)	3-IN WATER MAIN
— (green)	4-IN WATER MAIN
— (orange)	6-IN WATER MAIN
— (red)	8-IN WATER MAIN
— (dark blue)	10-IN WATER MAIN
— (brown)	12-IN WATER MAIN
— (yellow)	14-IN WATER MAIN
— (purple)	16-IN WATER MAIN
— (black)	24-IN RAW WATER MAIN

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STATE OF KENTUCKY
 TRAVIS S. HARPER
 37687
 LICENSED PROFESSIONAL ENGINEER

Signature _____ Date 8/29/24

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 CLINTON COUNTY, KENTUCKY
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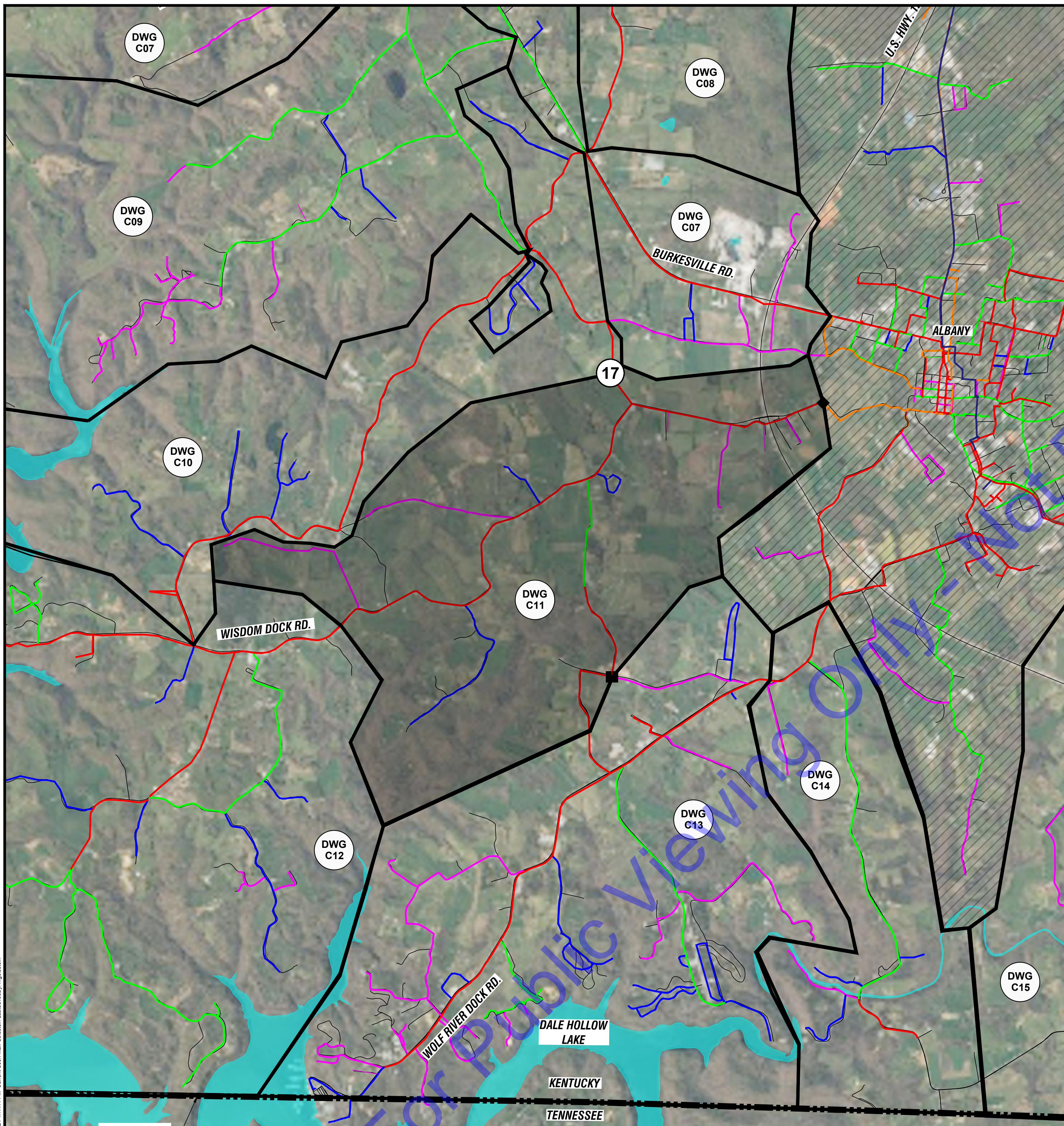
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By			
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PLAN - BASIN J

Drawing No:
C10
 Sheet: 14 OF 31

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PLAN - BASIN K

SCALE: 1"=2000'-0"
 0 2000' 4000'

NOTE:
 NORTHING AND EASTING OF EACH METER IS PROVIDED AS REFERENCE ONLY. CONTRACTOR SHALL FIELD VERIFY LOCATION AND SIZE OF WATER MAIN PRIOR TO ORDERING MATERIALS. CONTRACTOR SHALL COORDINATE FINAL METER LOCATION WITH CITY OF ALBANY.

METER 17:

EXISTING MAIN SIZE: 6-INCH

METER LOCATION:
 NORTHING: 1773939.91
 EASTING: 1816802.13

EXISTING WATER MAIN TO BE SHUT OFF DURING WORK.

THIS IS A NEW METER LOCATION THAT SHALL BE FIELD VERIFIED WITH OWNER PRIOR TO CONSTRUCTION.

INSTALL NEW METER, VALVES, PIPING, AND STRUCTURE PER "DEAD TAP ZONE METER WITH BYPASS PIPING" DETAIL.

PAID UNDER:

BASE BID ITEM 7: 6-INCH METER ASSEMBLY, DEAD TAP

MA ITEM 6: 6-INCH DEAD TAP, BYPASS PIPING



METER 17: NEW METER FACING SE

PHOTO
 NOT TO SCALE

17

LEGEND

- # METER
- ◆ CLOSED VALVE
- END CAP
- ▭ BASIN DELINATION
- ▨ BASIN NOT IN CONTRACT
- 1-IN WATER MAIN
- 2-IN WATER MAIN
- 3-IN WATER MAIN
- 4-IN WATER MAIN
- 6-IN WATER MAIN
- 8-IN WATER MAIN
- 10-IN WATER MAIN
- 12-IN WATER MAIN
- 14-IN WATER MAIN
- 16-IN WATER MAIN
- 24-IN RAW WATER MAIN

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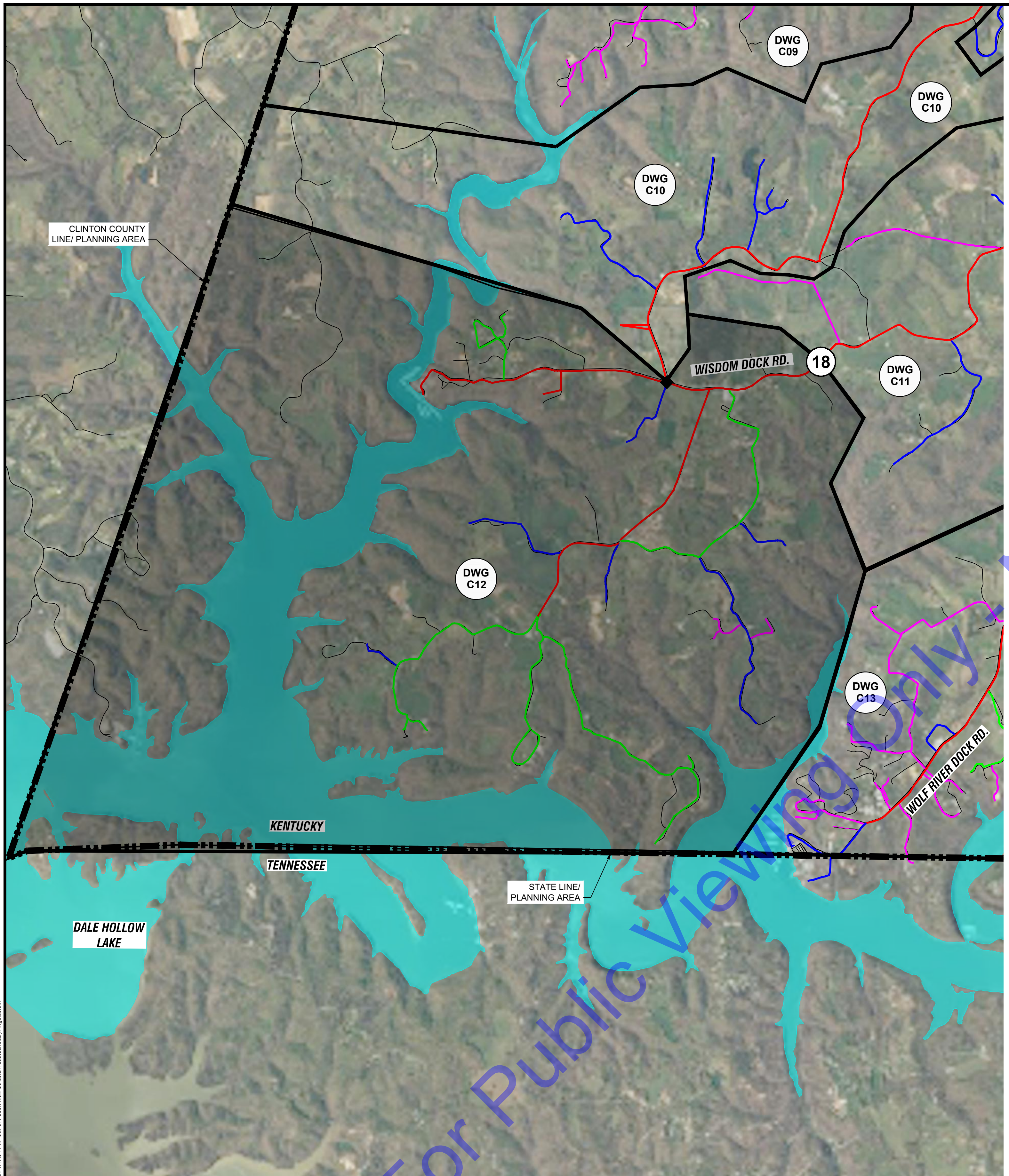
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8/29/24	W24100	AS SHOWN

PLAN - BASIN K

Drawing No:
C11

Sheet: 15 OF 31

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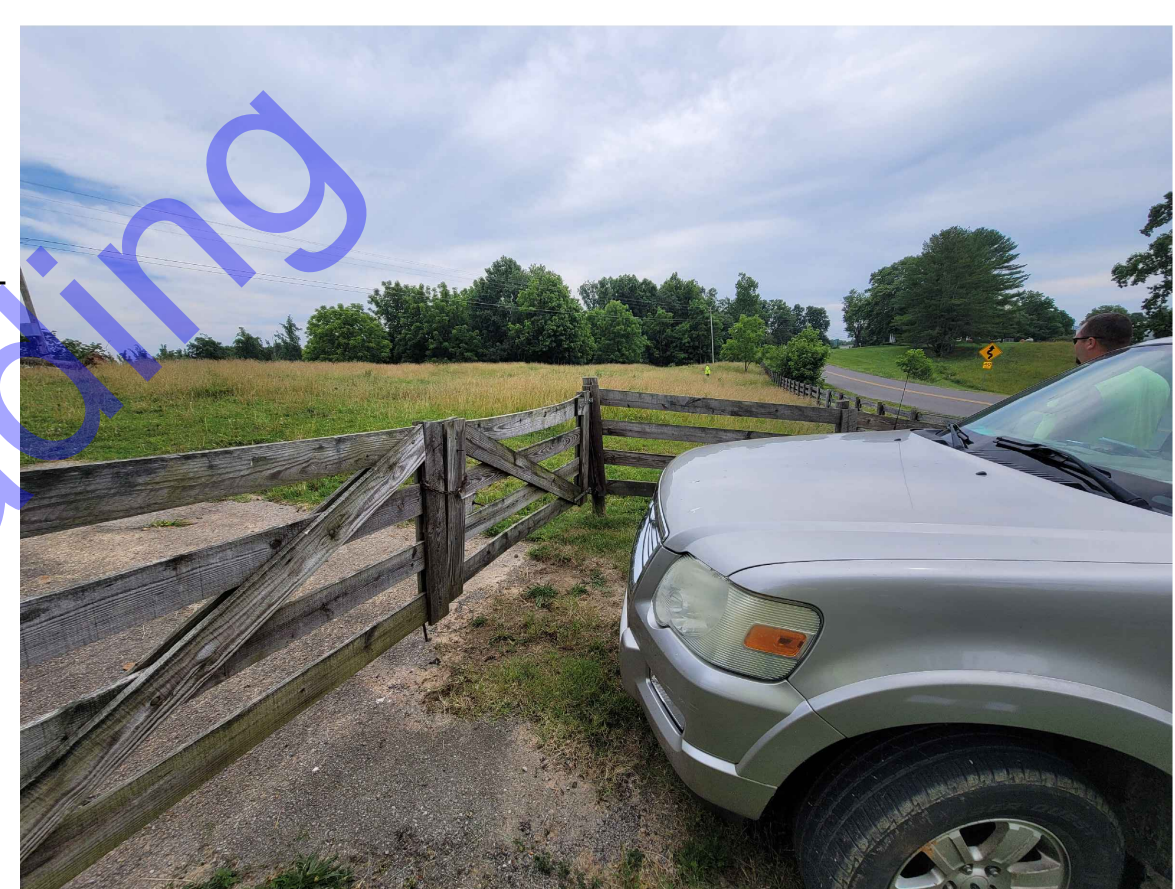
PLAN - BASIN L
 SCALE: 1"=2000'-0"
 0 2000' 4000'

NOTE:
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METER 18:
 EXISTING MAIN SIZE: 6-INCH
 METER LOCATION:
 NORTHING: 1794516.15
 EASTING: 1819239.13

EXISTING WATER MAIN TO REMAIN LIVE DURING WORK.
 REMOVE EXISTING METER AND PIT. METER TO BE SALVAGED TO OWNER.
 INSTALL NEW METER, VALVES, PIPING, AND STRUCTURE PER "LIVE TAP ZONE METER WITH BYPASS PIPING" DETAIL.

PAID UNDER:
 BASE BID ITEM 6: 6-INCH METER ASSEMBLY, LIVE TAP
 MA ITEM 5: 6-INCH LIVE TAP, BYPASS PIPING



METER 18: EX. METER (TO BE REPLACED, COORDINATE WITH OWNER TO ACCESS GATE) FACING NE
PHOTO 18
 NOT TO SCALE

LEGEND	
⊛	METER
◆	CLOSED VALVE
■	END CAP
▭	BASIN DELINATION
▨	BASIN NOT IN CONTRACT
—	1-IN WATER MAIN
—	2-IN WATER MAIN
—	3-IN WATER MAIN
—	4-IN WATER MAIN
—	6-IN WATER MAIN
—	8-IN WATER MAIN
—	10-IN WATER MAIN
—	12-IN WATER MAIN
—	14-IN WATER MAIN
—	16-IN WATER MAIN
—	24-IN RAW WATER MAIN

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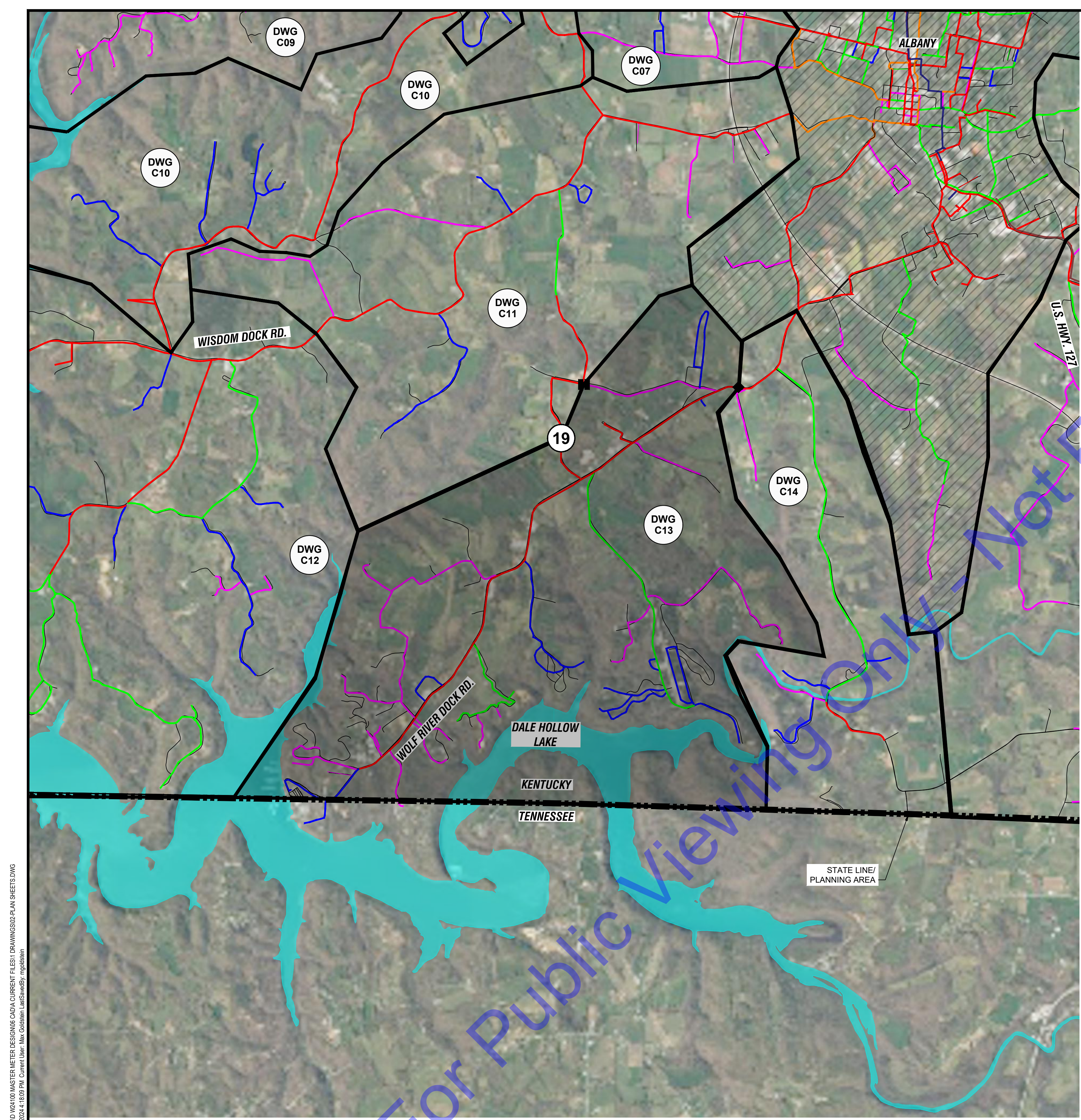
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PLAN - BASIN L
 Drawing No:
C12
 Sheet: 16 OF 31



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PLAN - BASIN M
 SCALE: 1"=2000'-0"

NOTE:
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METER 19:
 EXISTING MAIN SIZE: 6-INCH
 METER LOCATION:
 NORTHING: 1792895.79
 EASTING: 1819885.87
 EXISTING WATER MAIN TO REMAIN LIVE DURING WORK.
 REMOVE EXISTING METER AND PIT. METER TO BE SALVAGED TO OWNER.
 INSTALL NEW METER, VALVES, PIPING, AND STRUCTURE PER "LIVE TAP ZONE METER WITH BYPASS PIPING" DETAIL.
 PAID UNDER:
 BASE BID ITEM 6: 6-INCH METER ASSEMBLY, LIVE TAP
 MA ITEM 5: 6-INCH LIVE TAP, BYPASS PIPING



METER 19: EX. METER (TO BE REPLACED) FACING NORTH
PHOTO 19
 NOT TO SCALE

LEGEND

- # METER
- ◆ CLOSED VALVE
- END CAP
- ▨ BASIN DELINATION
- ▧ BASIN NOT IN CONTRACT
- 1-IN WATER MAIN
- 2-IN WATER MAIN
- 3-IN WATER MAIN
- 4-IN WATER MAIN
- 6-IN WATER MAIN
- 8-IN WATER MAIN
- 10-IN WATER MAIN
- 12-IN WATER MAIN
- 14-IN WATER MAIN
- 16-IN WATER MAIN
- 24-IN RAW WATER MAIN

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ZONE METER PROJECT

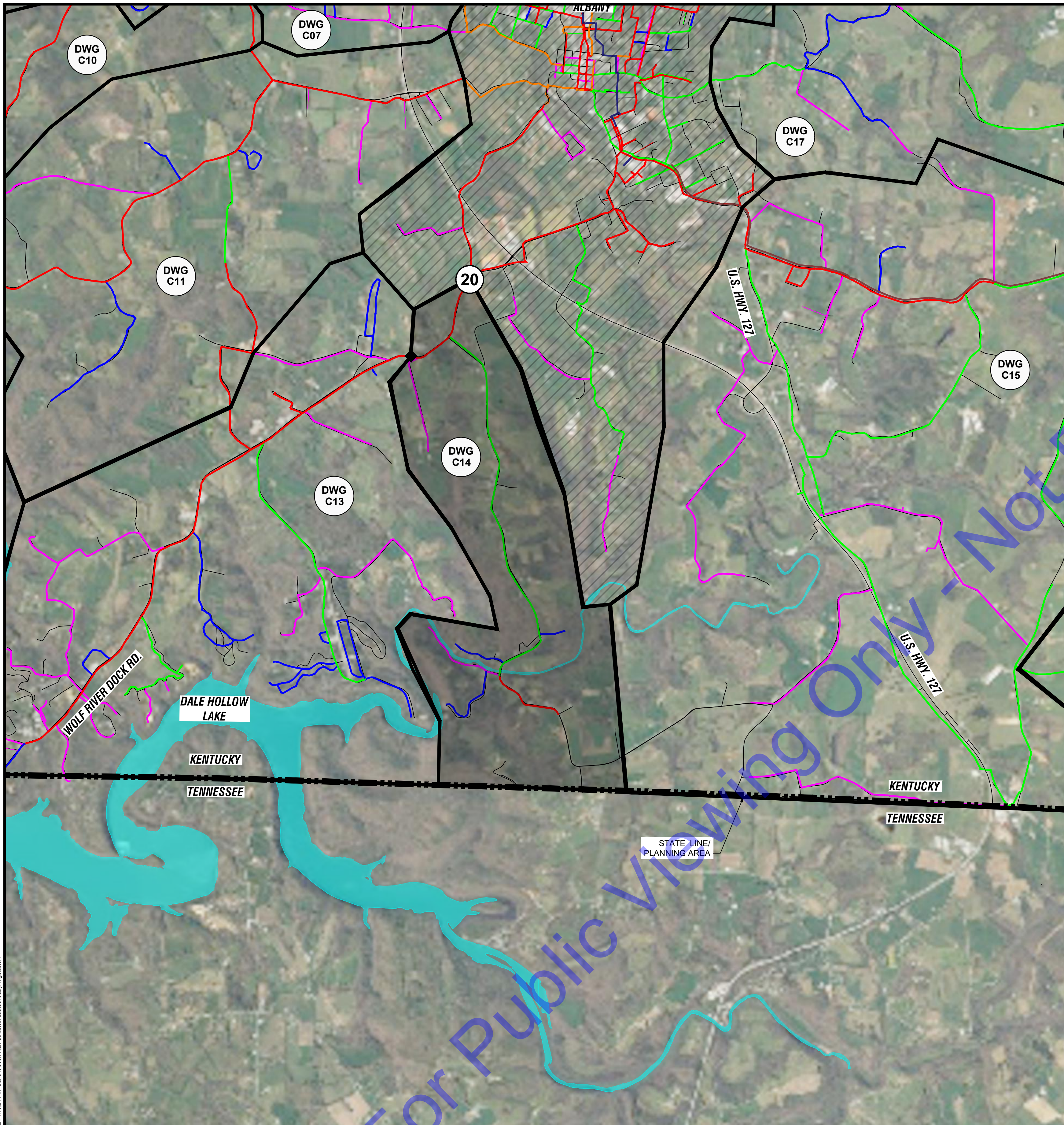
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PLAN - BASIN M
 Drawing No:
C13
 Sheet: 17 OF 31

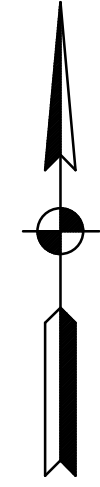
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PLAN - BASIN N

SCALE: 1"=2000'-0"
 0 2000' 4000'

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METER 20:

EXISTING MAIN SIZE: 6-INCH

METER LOCATION:
 NORTHING: 1795046.52
 EASTING: 1820101.86

EXISTING WATER MAIN TO REMAIN LIVE DURING WORK.

THIS IS A NEW METER LOCATION THAT SHALL BE FIELD VERIFIED WITH OWNER PRIOR TO CONSTRUCTION.

INSTALL NEW METER, VALVES, PIPING, AND STRUCTURE PER "LIVE TAP ZONE METER WITH BYPASS PIPING" DETAIL.

PAID UNDER:

BASE BID ITEM 6: 6-INCH METER ASSEMBLY, LIVE TAP

MA ITEM 5: 6-INCH LIVE TAP, BYPASS PIPING



METER 20: NEW METER FACING NE

PHOTO NOT TO SCALE

20

LEGEND

- # METER
- ◆ CLOSED VALVE
- END CAP
- ▨ BASIN DELINATION
- ▧ BASIN NOT IN CONTRACT
- 1-IN WATER MAIN
- 2-IN WATER MAIN
- 3-IN WATER MAIN
- 4-IN WATER MAIN
- 6-IN WATER MAIN
- 8-IN WATER MAIN
- 10-IN WATER MAIN
- 12-IN WATER MAIN
- 14-IN WATER MAIN
- 16-IN WATER MAIN
- 24-IN RAW WATER MAIN

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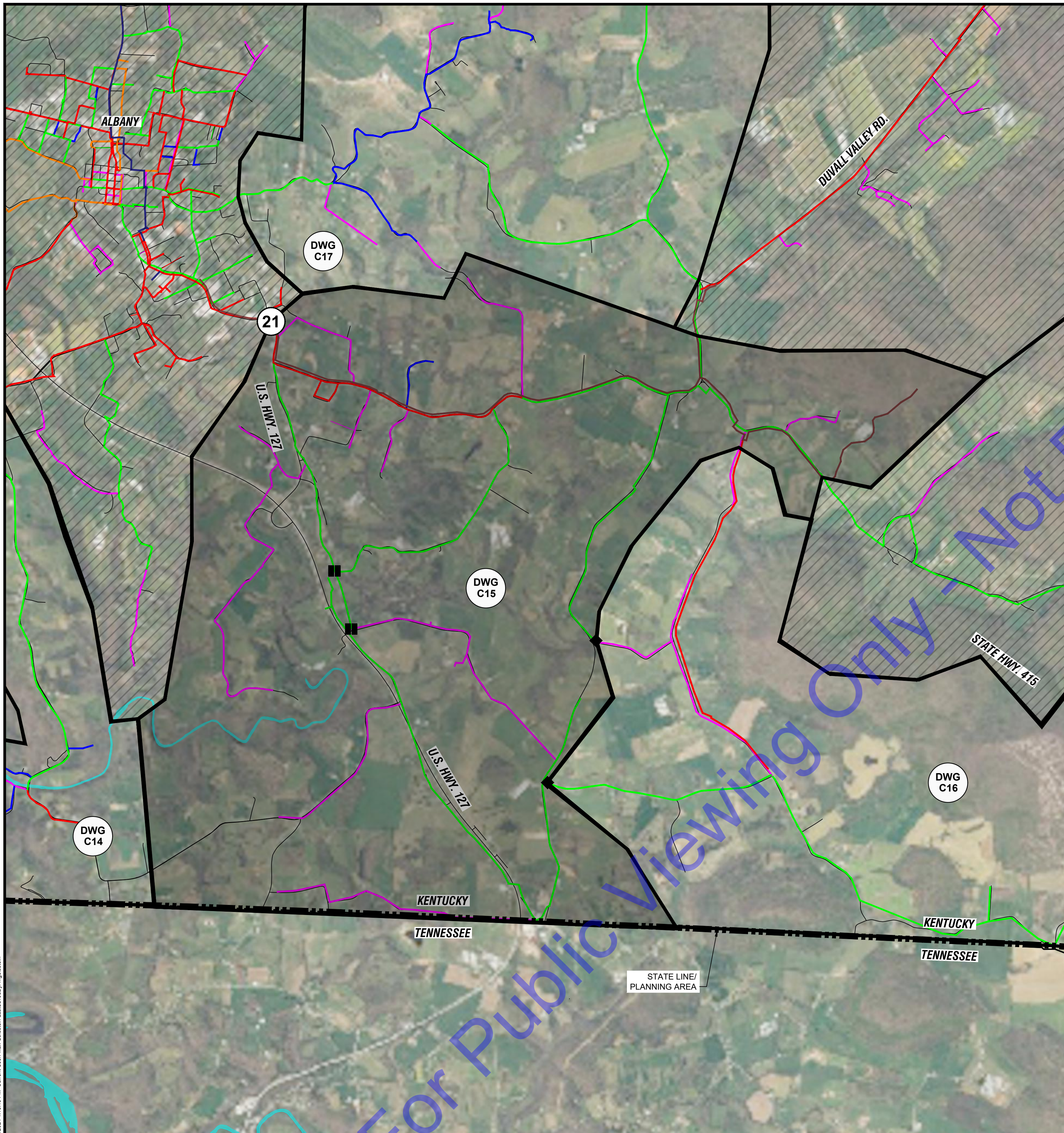
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---	MAG	---
Issue Date:	Project No:	Scale:
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PLAN - BASIN N

Drawing No:
C14
 Sheet: 18 OF 31

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PLAN - BASIN O
 SCALE: 1"=2000'-0"
 0 2000' 4000'

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METER 21:

EXISTING MAIN SIZE: 12-INCH

METER LOCATION:
 NORTHING: 1793990.69
 EASTING: 1820231.88

EXISTING WATER MAIN TO REMAIN LIVE DURING WORK.

REMOVE EXISTING METER AND PIT. METER TO BE SALVAGED TO OWNER.

INSTALL NEW METER, VALVES, PIPING, AND STRUCTURE PER "LIVE TAP ZONE METER WITH BYPASS PIPING" DETAIL.

PAID UNDER:

BASE BID ITEM 10: 12-INCH METER ASSEMBLY, LIVE TAP

MA ITEM 9: 12-INCH LIVE TAP, BYPASS PIPING

NOTE:
 CONTRACTOR MAY BE REQUIRED TO REMOVE AND REINSTALL FENCING. IF ANY FENCING IS DAMAGED, CONTRACTOR SHALL REPLACE TO EQUAL OR BETTER CONDITION.



METER 21: EX. METER (TO BE INSTALLED ON 12" MAIN) FACING SOUTH

PHOTO 21
 NOT TO SCALE



METER 21: COORDINATE WITH OWNER TO ACCESS GATE FACING NORTH

PHOTO 21
 NOT TO SCALE

LEGEND

- # METER
- ◆ CLOSED VALVE
- END CAP
- ▭ BASIN DELINATION
- ▨ BASIN NOT IN CONTRACT
- 1-IN WATER MAIN
- 2-IN WATER MAIN
- 3-IN WATER MAIN
- 4-IN WATER MAIN
- 6-IN WATER MAIN
- 8-IN WATER MAIN
- 10-IN WATER MAIN
- 12-IN WATER MAIN
- 14-IN WATER MAIN
- 16-IN WATER MAIN
- 24-IN RAW WATER MAIN

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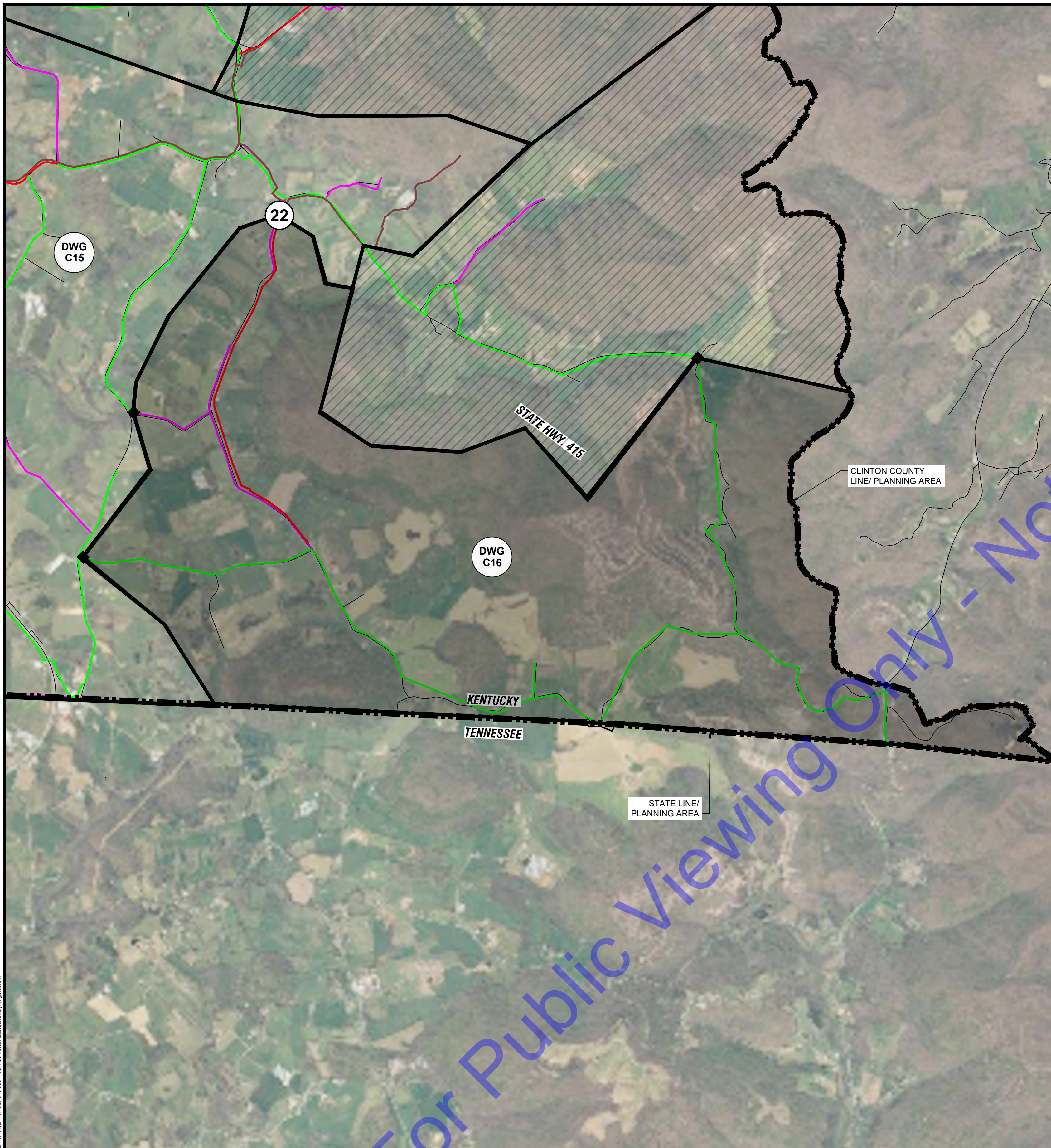
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PLAN - BASIN O

Drawing No:
C15

Sheet: 19 OF 31

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PLAN - BASIN P
 SCALE: 1"=2000'-0"
 0 2000' 4000'

NOTE:
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METER 22:
 EXISTING MAIN SIZE: 6-INCH
 METER LOCATION:
 NORTHING: 1789476.94
 EASTING: 1820390.83

EXISTING WATER MAIN TO REMAIN LIVE DURING WORK.
 THIS IS A NEW METER LOCATION THAT SHALL BE FIELD VERIFIED WITH OWNER PRIOR TO CONSTRUCTION.

INSTALL NEW METER, VALVES, PIPING, AND STRUCTURE PER "LIVE TAP ZONE METER WITH BYPASS PIPING" DETAIL.

PAID UNDER:
 BASE BID ITEM 6: 6-INCH METER ASSEMBLY, LIVE TAP
 MA ITEM 5: 6-INCH LIVE TAP, BYPASS PIPING



METER 22: NEW METER FACING NORTH
PHOTO
 NOT TO SCALE

22

LEGEND

- (#) METER
- ◆ CLOSED VALVE
- END CAP
- ▨ BASIN DELINATION
- ▧ BASIN NOT IN CONTRACT
- 1-IN WATER MAIN
- 2-IN WATER MAIN
- 3-IN WATER MAIN
- 4-IN WATER MAIN
- 6-IN WATER MAIN
- 8-IN WATER MAIN
- 10-IN WATER MAIN
- 12-IN WATER MAIN
- 14-IN WATER MAIN
- 16-IN WATER MAIN
- 24-IN RAW WATER MAIN

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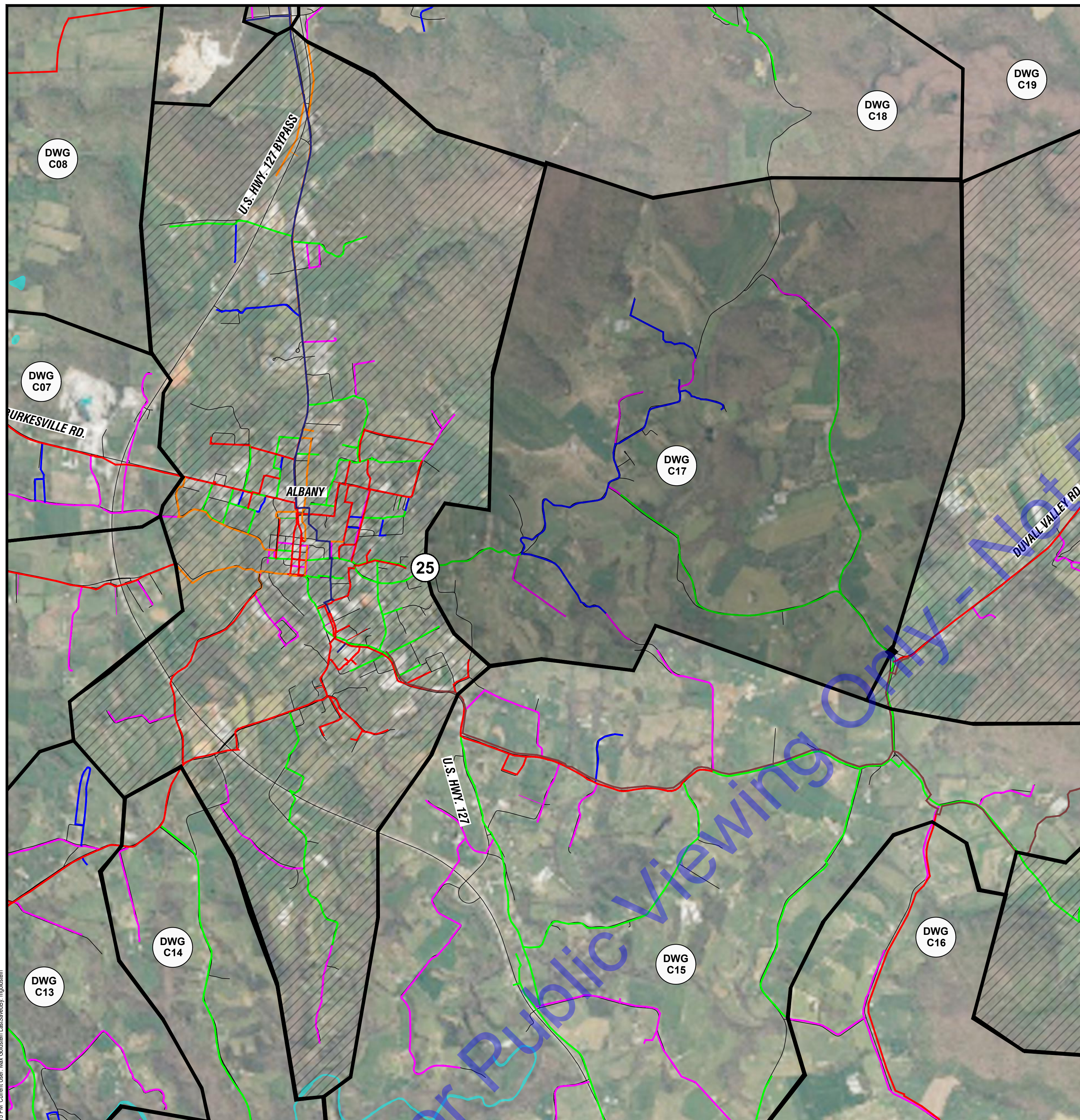
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PLAN - BASIN P

Drawing No:
C16

Sheet: 20 OF 31

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PLAN - BASIN T

SCALE: 1"=2000'-0"
 0 2000' 4000'

NOTE:
 NORTHING AND EASTING OF EACH METER IS PROVIDED AS REFERENCE ONLY. CONTRACTOR SHALL FIELD VERIFY LOCATION AND SIZE OF WATER MAIN PRIOR TO ORDERING MATERIALS. CONTRACTOR SHALL COORDINATE FINAL METER LOCATION WITH CITY OF ALBANY.

METER 25:

EXISTING MAIN SIZE: 4-INCH

METER LOCATION:
 NORTHING: 1789089.78
 EASTING: 1820451.84

EXISTING WATER MAIN TO REMAIN LIVE DURING WORK.

THIS IS A NEW METER LOCATION THAT SHALL BE FIELD VERIFIED WITH OWNER PRIOR TO CONSTRUCTION.

INSTALL NEW METER, VALVES, PIPING, AND STRUCTURE PER "LIVE TAP ZONE METER WITH BYPASS PIPING" DETAIL.

PAID UNDER:

BASE BID ITEM 4: 4-INCH METER ASSEMBLY, LIVE TAP

MA ITEM 3: 4-INCH LIVE TAP, BYPASS PIPING



METER 25: NEW METER
 FACING WEST

PHOTO (25)
 NOT TO SCALE

LEGEND	
(#)	METER
◆	CLOSED VALVE
■	END CAP
▭	BASIN DELINATION
▨	BASIN NOT IN CONTRACT
— (light blue)	1-IN WATER MAIN
— (magenta)	2-IN WATER MAIN
— (blue)	3-IN WATER MAIN
— (green)	4-IN WATER MAIN
— (orange)	6-IN WATER MAIN
— (red)	8-IN WATER MAIN
— (dark blue)	10-IN WATER MAIN
— (brown)	12-IN WATER MAIN
— (yellow)	14-IN WATER MAIN
— (grey)	16-IN WATER MAIN
— (black)	24-IN RAW WATER MAIN

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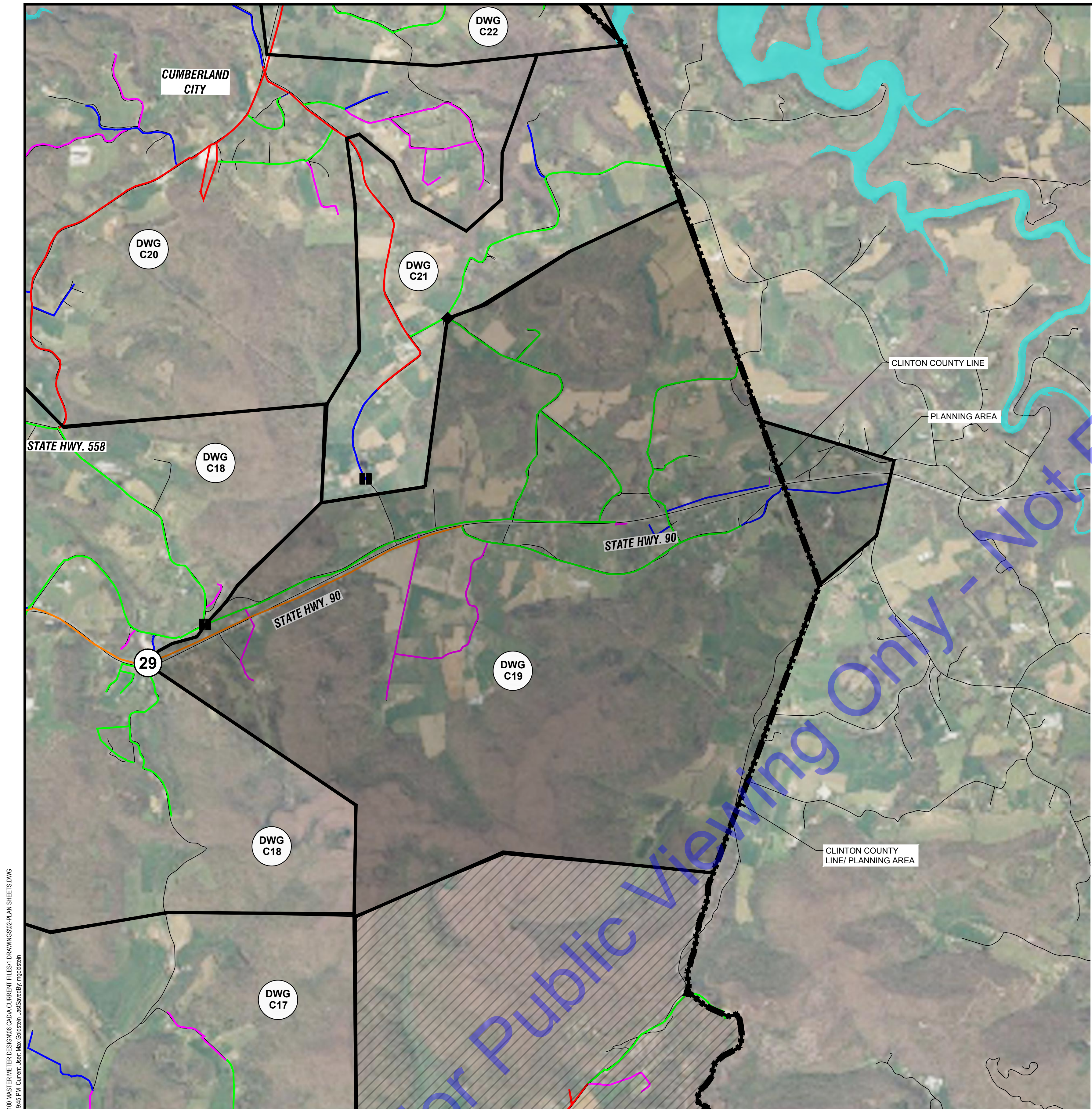
CITY OF ALBANY
CLINTON COUNTY, KENTUCKY
ZONE METER PROJECT

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By					
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PLAN - BASIN T
 Drawing No:
C17
 Sheet: 21 OF 31



PLAN - BASIN V
 SCALE: 1"=2000'-0"
 0 2000' 4000'

NOTE:
 NORTHING AND EASTING OF EACH METER IS PROVIDED AS REFERENCE ONLY. CONTRACTOR SHALL FIELD VERIFY LOCATION AND SIZE OF WATER MAIN PRIOR TO ORDERING MATERIALS. CONTRACTOR SHALL COORDINATE FINAL METER LOCATION WITH CITY OF ALBANY.



METER 29: NEW METER
 FACING SW
PHOTO
 NOT TO SCALE

METER 29:
 EXISTING MAIN SIZE: 8-INCH
 METER LOCATION:
 NORTHING: 1770898.87
 EASTING: 1824971.19
 EXISTING WATER MAIN TO REMAIN LIVE DURING WORK.
 THIS IS A NEW METER LOCATION THAT SHALL BE FIELD VERIFIED WITH OWNER PRIOR TO CONSTRUCTION.
 INSTALL NEW METER, VALVES, PIPING, AND STRUCTURE PER "LIVE TAP ZONE METER WITH BYPASS PIPING" DETAIL.
 PAID UNDER:
 BASE BID ITEM 8: 8-INCH METER ASSEMBLY, LIVE TAP
 MA ITEM 7: 8-INCH LIVE TAP, BYPASS PIPING

LEGEND	
(#)	METER
◆	CLOSED VALVE
■	END CAP
▭	BASIN DELINATION
▨	BASIN NOT IN CONTRACT
(Cyan line)	1-IN WATER MAIN
(Magenta line)	2-IN WATER MAIN
(Blue line)	3-IN WATER MAIN
(Green line)	4-IN WATER MAIN
(Orange line)	6-IN WATER MAIN
(Red line)	8-IN WATER MAIN
(Dark blue line)	10-IN WATER MAIN
(Brown line)	12-IN WATER MAIN
(Yellow line)	14-IN WATER MAIN
(Grey line)	16-IN WATER MAIN
(Black line)	24-IN RAW WATER MAIN

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 37687
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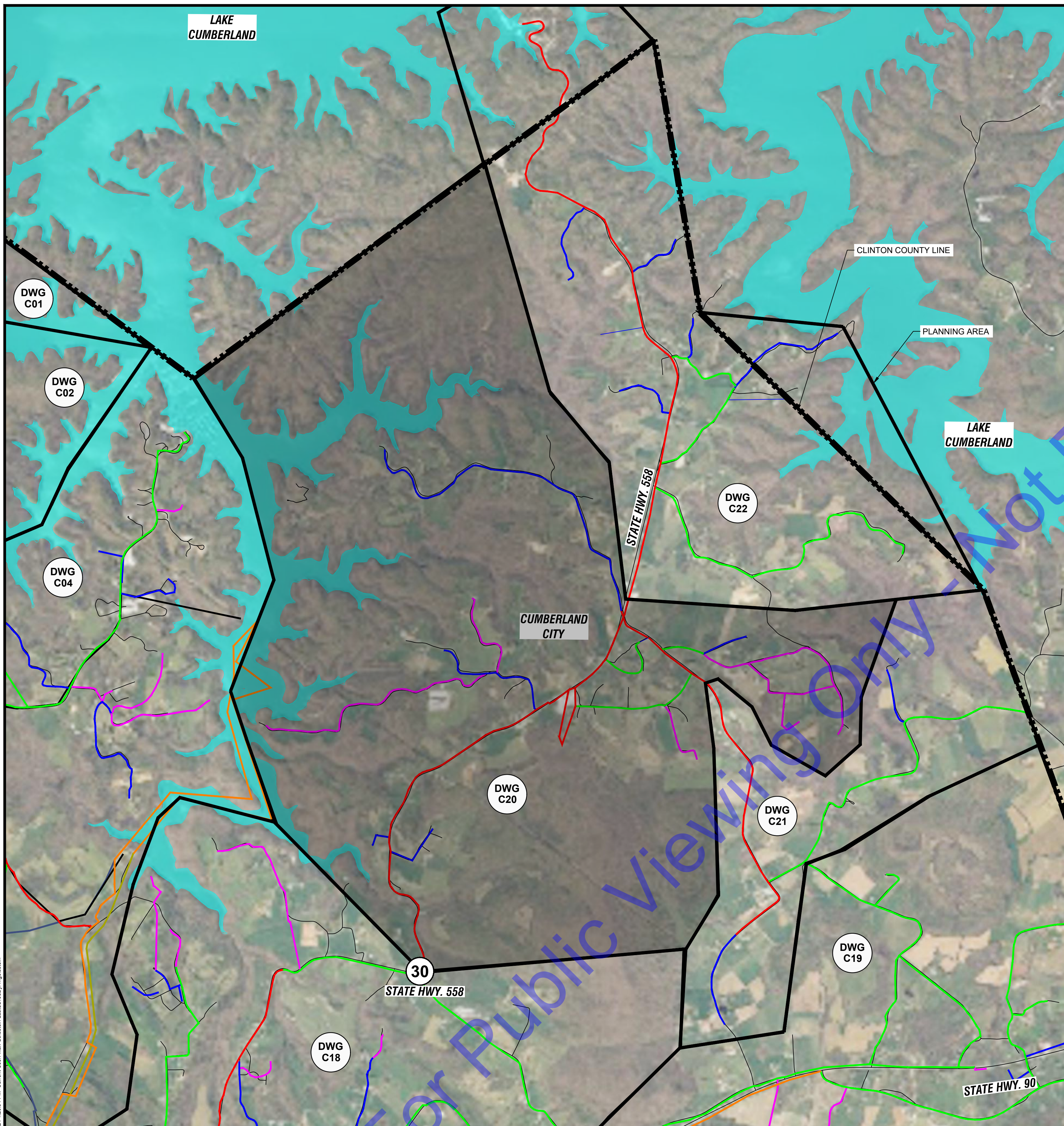
No.	Submittal / Revision	Date	By

Designed By: ---	Drawn By: MAG	Checked By: ---
Issue Date: 8/29/24	Project No: W24100	Scale: AS SHOWN

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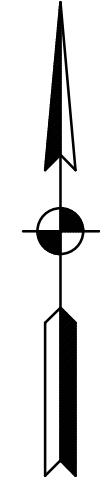
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PLAN - BASIN W

SCALE: 1"=2000'-0"
 0 2000' 4000'

NOTE:
 NORTHING AND EASTING OF EACH METER IS PROVIDED AS REFERENCE ONLY. CONTRACTOR SHALL FIELD VERIFY LOCATION AND SIZE OF WATER MAIN PRIOR TO ORDERING MATERIALS. CONTRACTOR SHALL COORDINATE FINAL METER LOCATION WITH CITY OF ALBANY.



METER 30:
 EXISTING MAIN SIZE: 6-INCH
 METER LOCATION:
 NORTHING: 1766636.77
 EASTING: 1826089.38

EXISTING WATER MAIN TO REMAIN LIVE DURING WORK.

REMOVE EXISTING METER AND PIT. METER TO BE SALVAGED TO OWNER.

INSTALL NEW METER, VALVES, PIPING, AND STRUCTURE PER "LIVE TAP ZONE METER WITH BYPASS PIPING" DETAIL.

PAID UNDER:
 BASE BID ITEM 6: 6-INCH METER ASSEMBLY, LIVE TAP
 MA ITEM 5: 6-INCH LIVE TAP, BYPASS PIPING

NOTE: CONTRACTOR MAY BE REQUIRED TO REMOVE AND REINSTALL FENCING. IF ANY FENCING IS DAMAGED, CONTRACTOR SHALL REPLACE TO EQUAL OR BETTER CONDITION.

LEGEND

- # METER
- ◆ CLOSED VALVE
- END CAP
- ▭ BASIN DELINATION
- ▨ BASIN NOT IN CONTRACT
- 1-IN WATER MAIN
- 2-IN WATER MAIN
- 3-IN WATER MAIN
- 4-IN WATER MAIN
- 6-IN WATER MAIN
- 8-IN WATER MAIN
- 10-IN WATER MAIN
- 12-IN WATER MAIN
- 14-IN WATER MAIN
- 16-IN WATER MAIN
- 24-IN RAW WATER MAIN



METER 30: EXISTING METER (TO BE REPLACED, COORDINATE WITH OWNER TO ACCESS GATE) FACING NORTH

PHOTO 30
 NOT TO SCALE

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 TRAVIS S. HARPER
 37687
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Signature Date 8/29/24

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CLINTON COUNTY, KENTUCKY
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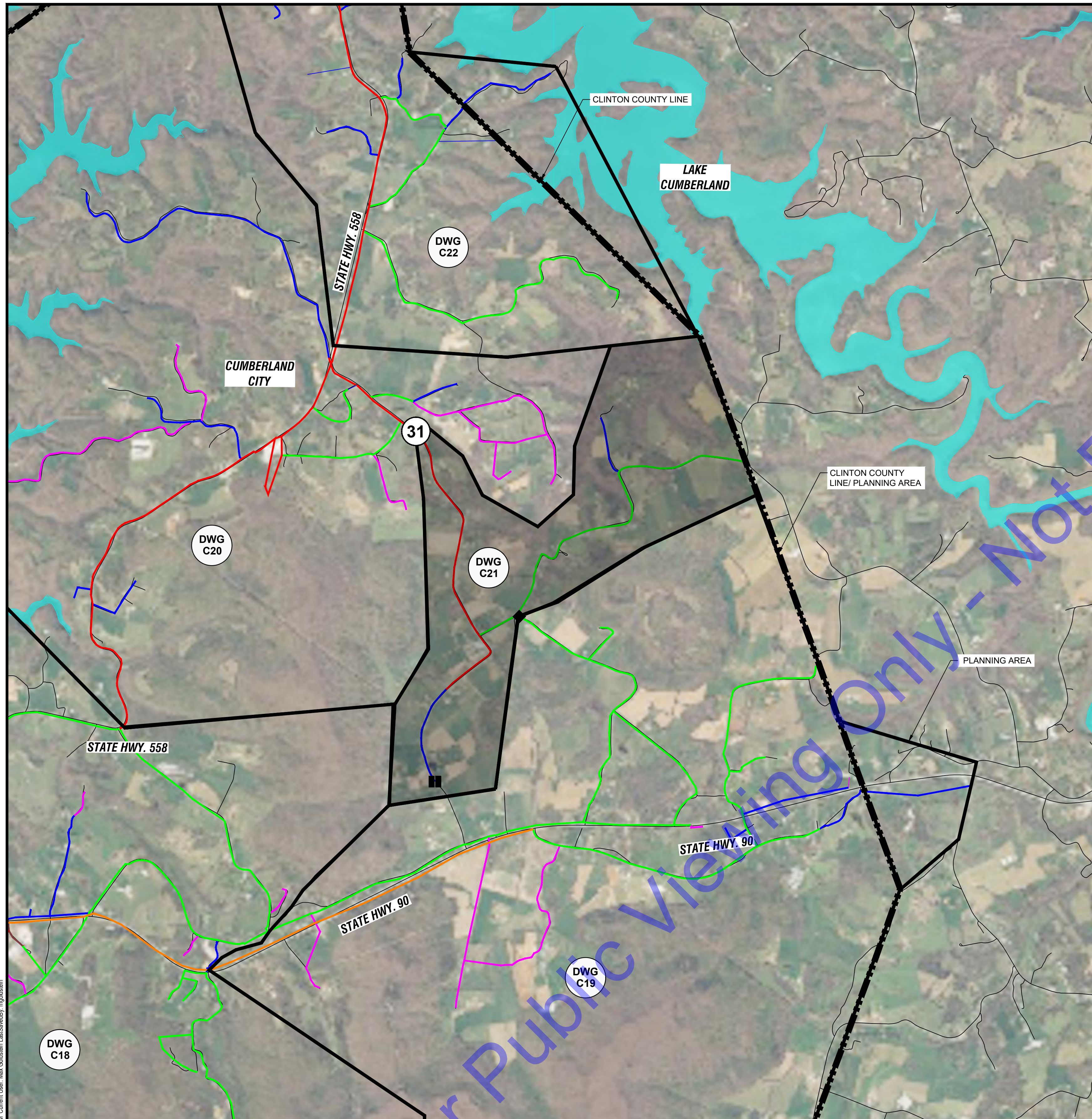
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PLAN - BASIN W
 Drawing No:
C20

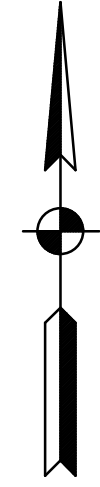
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PLAN - BASIN X

SCALE: 1"=2000'-0"
 0 2000' 4000'

NOTE:
 NORTHING AND EASTING OF EACH METER IS PROVIDED AS REFERENCE ONLY. CONTRACTOR SHALL FIELD VERIFY LOCATION AND SIZE OF WATER MAIN PRIOR TO ORDERING MATERIALS. CONTRACTOR SHALL COORDINATE FINAL METER LOCATION WITH CITY OF ALBANY.



METER 31:

EXISTING MAIN SIZE: 6-INCH

METER LOCATION:
 NORTHING: 1800651.30
 EASTING: 1833026.22

EXISTING WATER MAIN TO BE SHUT OFF DURING WORK.

REMOVE EXISTING METER AND PIT. METER TO BE SALVAGED TO OWNER.

INSTALL NEW METER, VALVES, PIPING, AND STRUCTURE PER "DEAD TAP ZONE METER WITH BYPASS PIPING" DETAIL.

PAID UNDER:

BASE BID ITEM 7: 6-INCH METER ASSEMBLY, DEAD TAP

MA ITEM 6: 6-INCH DEAD TAP, BYPASS PIPING

NOTES:

1. CONTRACTOR TO PROTECT TELEPHONE POLE DURING CONSTRUCTION.
2. CONTRACTOR SHALL REMOVE TREES AS REQUIRED FOR CONSTRUCTION.
3. CONTRACTOR SHALL COORDINATE WITH OWNER REGARDING THE REMOVAL OF ANY TREES LOCATED ON PRIVATE PROPERTY.



METER 31: EXISTING METER (TO BE REPLACED) FACING NW

PHOTO 31
 NOT TO SCALE

LEGEND

(#)	METER
◆	CLOSED VALVE
■	END CAP
▭	BASIN DELINATION
▨	BASIN NOT IN CONTRACT
—	1-IN WATER MAIN
—	2-IN WATER MAIN
—	3-IN WATER MAIN
—	4-IN WATER MAIN
—	6-IN WATER MAIN
—	8-IN WATER MAIN
—	10-IN WATER MAIN
—	12-IN WATER MAIN
—	14-IN WATER MAIN
—	16-IN WATER MAIN
—	24-IN RAW WATER MAIN

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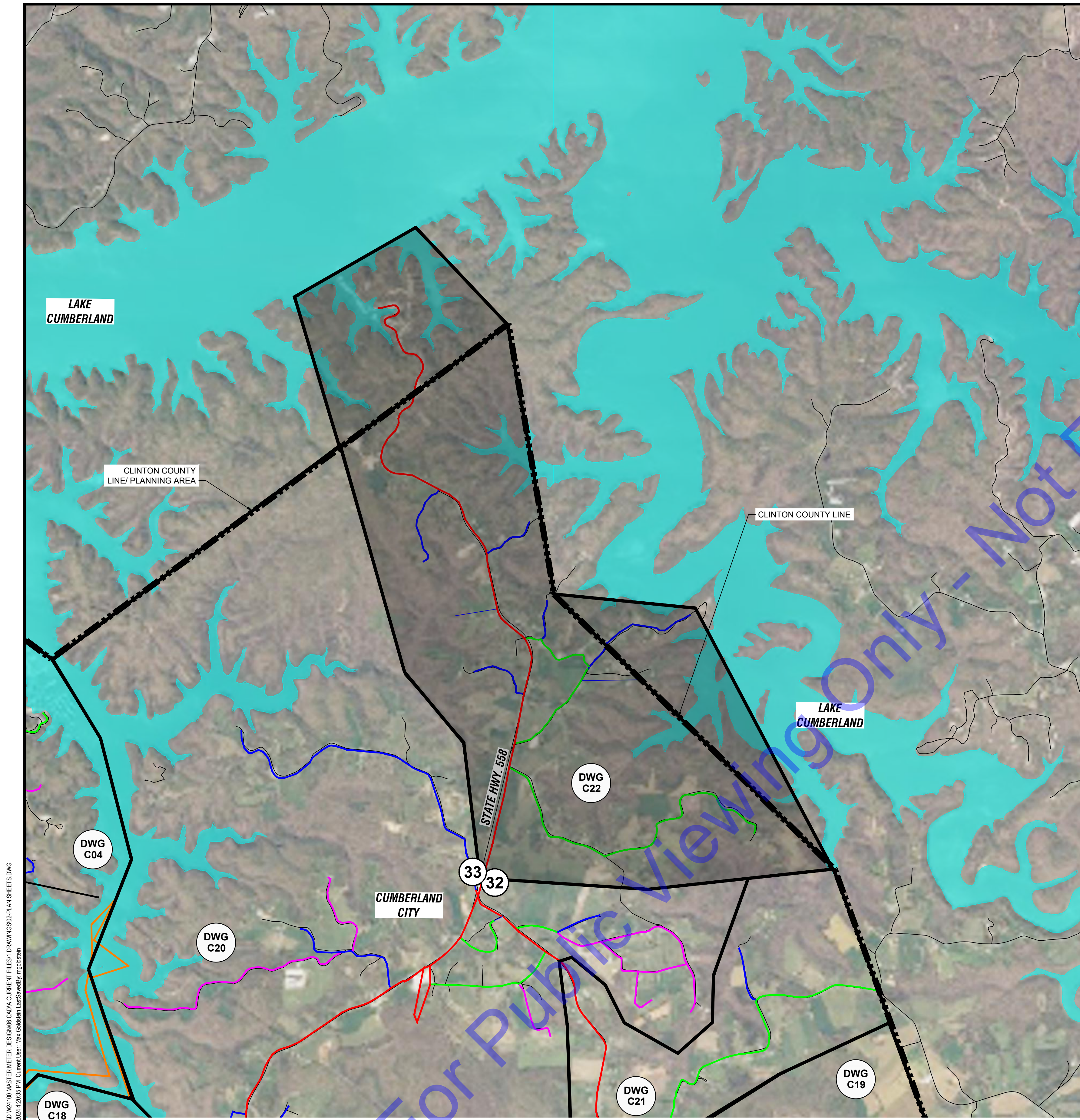
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PLAN - BASIN X

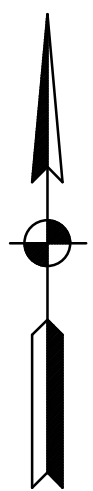
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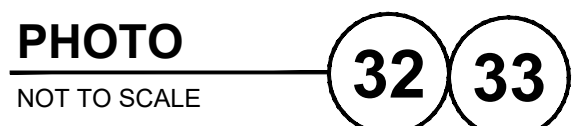
PLAN - BASIN Y

SCALE: 1"=2000'-0"
 0 2000' 4000'

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METERS 32 & 33: NEW METERS
 FACING SW



PHOTO

NOT TO SCALE

METER 32:

EXISTING MAIN SIZE: 6-INCH

METER LOCATION:
 NORTHING: 1792559.75
 EASTING: 1835977.77

EXISTING WATER MAIN TO BE SHUT OFF
 DURING WORK (SEE NOTE 1).

THIS IS A NEW METER LOCATION THAT
 SHALL BE FIELD VERIFIED WITH OWNER
 PRIOR TO CONSTRUCTION.

INSTALL NEW METER, VALVES, PIPING,
 AND STRUCTURE PER "ZONE METER WITH
 NO BYPASS PIPING" DETAIL.

PAID UNDER:

BASE BID ITEM 7: 6-INCH METER
 ASSEMBLY, DEAD TAP

METER 33:

EXISTING MAIN SIZE: 6-INCH

METER LOCATION:
 NORTHING: 1813334.93
 EASTING: 1839941.27

EXISTING WATER MAIN TO BE SHUT OFF
 DURING WORK (SEE NOTE 1).

THIS IS A NEW METER LOCATION THAT
 SHALL BE FIELD VERIFIED WITH OWNER
 PRIOR TO CONSTRUCTION.

INSTALL NEW METER, VALVES, PIPING,
 AND STRUCTURE PER "ZONE METER WITH
 NO BYPASS PIPING" DETAIL.

PAID UNDER:

BASE BID ITEM 7: 6-INCH METER
 ASSEMBLY, DEAD TAP

NOTES:

- METERS 32 AND 33 SHALL BE LOCATED ON PARALLEL 6" MAINS. ONE MAIN MAY BE SHUT OFF IN COORDINATION WITH OWNER AND METER INSTALLATION COMPLETED WHILE THE OTHER MAIN PROVIDES SERVICE TO AFFECTED CUSTOMERS. ONE MAIN MUST REMAIN OPERATIONAL AT ALL TIMES.
- CONTRACTOR SHALL RESTORE SURFACE TO INCLUDE MAINTAINING OR RE-ESTABLISHING THE EXISTING DITCH GRADE.
- NORTHING AND EASTING OF EACH METER IS PROVIDED AS REFERENCE ONLY. CONTRACTOR SHALL FIELD VERIFY LOCATION AND SIZE OF WATER MAIN PRIOR TO ORDERING MATERIALS. CONTRACTOR SHALL COORDINATE FINAL METER LOCATION WITH CITY OF ALBANY.

LEGEND

- # METER
- CLOSED VALVE
- END CAP
- BASIN DELINATION
- BASIN NOT IN CONTRACT
- 1-IN WATER MAIN
- 2-IN WATER MAIN
- 3-IN WATER MAIN
- 4-IN WATER MAIN
- 6-IN WATER MAIN
- 8-IN WATER MAIN
- 10-IN WATER MAIN
- 12-IN WATER MAIN
- 14-IN WATER MAIN
- 16-IN WATER MAIN
- 24-IN RAW WATER MAIN

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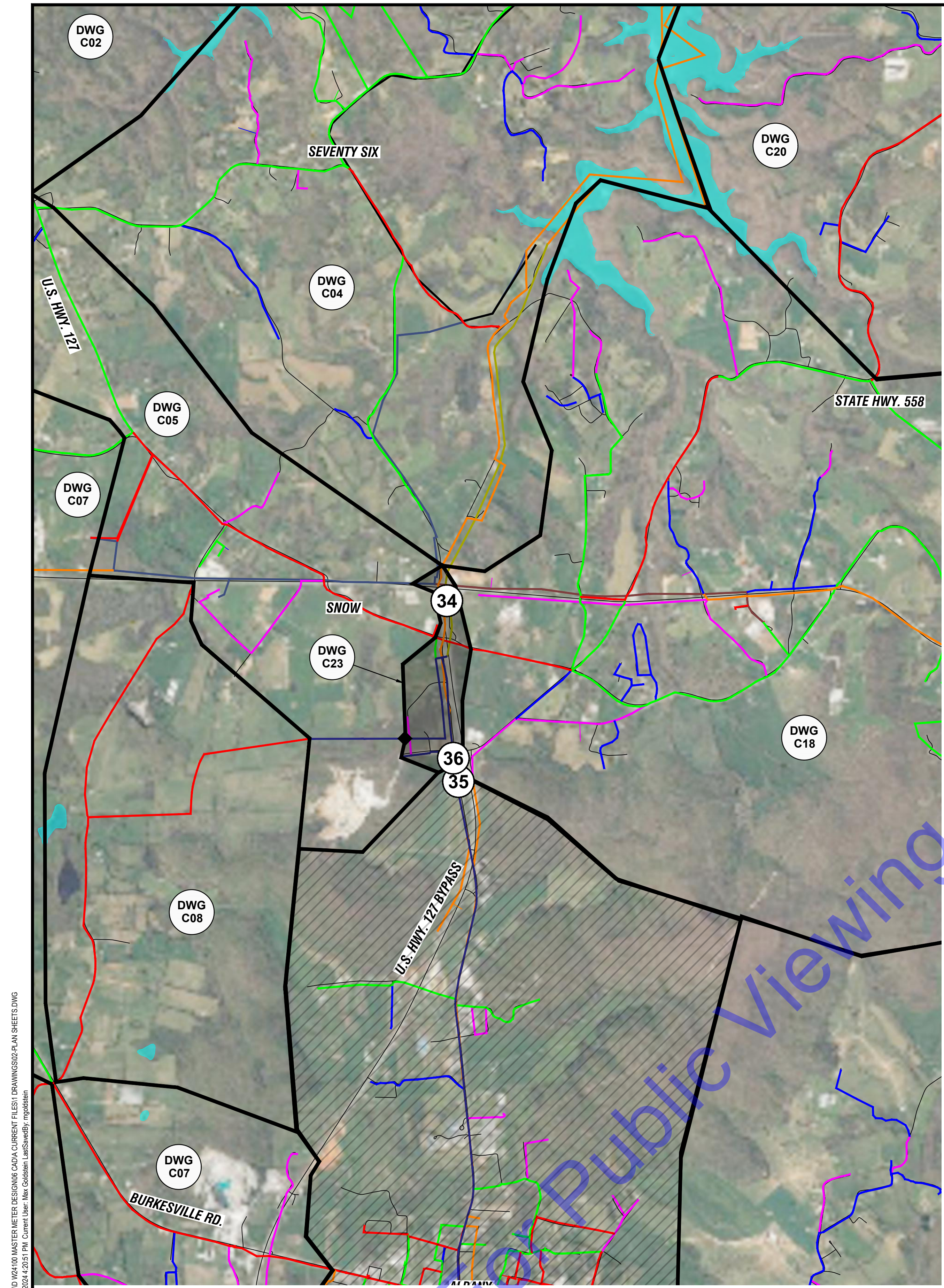
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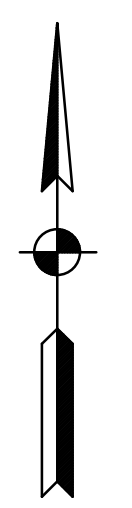
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PLAN - BASIN Y



PLAN - BASIN Z
 SCALE: 1"=2000'-0"
 0 2000' 4000'



LEGEND

#	METER
◆	CLOSED VALVE
■	END CAP
▭	BASIN DELINATION
▨	BASIN NOT IN CONTRACT
— (1-IN)	1-IN WATER MAIN
— (2-IN)	2-IN WATER MAIN
— (3-IN)	3-IN WATER MAIN
— (4-IN)	4-IN WATER MAIN
— (6-IN)	6-IN WATER MAIN
— (8-IN)	8-IN WATER MAIN
— (10-IN)	10-IN WATER MAIN
— (12-IN)	12-IN WATER MAIN
— (14-IN)	14-IN WATER MAIN
— (16-IN)	16-IN WATER MAIN
— (24-IN)	24-IN RAW WATER MAIN

NOTES:

- CONTRACTOR SHALL UTILIZE EXISTING TEES AND MAIN LINE VALVES AS APPLICABLE.
- EXISTING STRUCTURE SHALL BE UTILIZED AS NEW METER 36 PIT.
- METERS 35 AND 36 SHALL BE LOCATED ON PARALLEL 8" AND 12" MAINS, RESPECTIVELY. ONE MAIN MAY BE SHUT OFF IN COORDINATION WITH OWNER AND METER INSTALLATION COMPLETED WHILE THE OTHER MAIN PROVIDES SERVICE TO AFFECTED CUSTOMERS. ONE MAIN MUST REMAIN OPERATIONAL AT ALL TIMES.
- CONTRACTOR SHALL RESTORE SURFACE TO INCLUDE MAINTAINING OR RE-ESTABLISHING THE EXISTING DITCH GRADE AT ALL THREE (3) METER LOCATIONS (METERS 34, 35, AND 36).
- NORTHING AND EASTING OF EACH METER IS PROVIDED AS REFERENCE ONLY. CONTRACTOR SHALL FIELD VERIFY LOCATION AND SIZE OF WATER MAIN PRIOR TO ORDERING MATERIALS. CONTRACTOR SHALL COORDINATE FINAL METER LOCATION WITH CITY OF ALBANY.

METER 34:

EXISTING MAIN SIZE: 14-INCH
 METER LOCATION:
 NORTHING: 1813282.53
 EASTING: 1840407.85

EXISTING WATER MAIN TO REMAIN LIVE DURING WORK.

THIS IS A NEW METER LOCATION THAT SHALL BE FIELD VERIFIED WITH OWNER PRIOR TO CONSTRUCTION.

INSTALL NEW METER, VALVES, PIPING, AND STRUCTURE PER "LIVE TAP ZONE METER WITH BYPASS PIPING" DETAIL.

PAID UNDER:
 BASE BID ITEM 12: 14-INCH METER ASSEMBLY, LIVE TAP
 MA ITEM 11: 14-INCH LIVE TAP, BYPASS PIPING



METER 34: NEW METER FACING SOUTH
PHOTO
 NOT TO SCALE **34**

METER 35:

EXISTING MAIN SIZE: 8-INCH
 METER LOCATION:
 NORTHING: 1762323.38
 EASTING: 1842077.54

EXISTING WATER MAIN TO BE SHUT OFF DURING WORK (SEE NOTE 3).

THIS IS A NEW METER LOCATION THAT SHALL BE FIELD VERIFIED WITH OWNER PRIOR TO CONSTRUCTION.

INSTALL NEW METER, VALVES, PIPING, AND STRUCTURE PER "ZONE METER WITH NO BYPASS PIPING" DETAIL.

PAID UNDER:
 BASE BID ITEM 9: 8-INCH METER ASSEMBLY, DEAD TAP



METER 35: NEW METER FACING SOUTH
PHOTO
 NOT TO SCALE **35**

METER 36:

EXISTING MAIN SIZE: 12-INCH
 METER LOCATION:
 NORTHING: 1810494.09
 EASTING: 1842798.43

EXISTING WATER MAIN TO BE SHUT OFF DURING WORK (SEE NOTE 3).

INSERTION VALVES MAY BE REQUIRED TO BE INSTALLED BEFORE THE REMOVAL OF EXISTING METER AND PIPING. METER TO BE SALVAGED TO OWNER.

INSTALL INSERTION VALVES AS REQUIRED. THEN INSTALL NEW METER, VALVES, AND PIPING, PER "DEAD TAP ZONE METER WITH BYPASS PIPING" DETAIL.

PAID UNDER:
 BASE BID ITEM 11: 12-INCH METER ASSEMBLY, DEAD TAP
 MA ITEM 10: 12-INCH DEAD TAP, BYPASS PIPING



METER 36: EXISTING METER (TO BE REPLACED) FACING NORTH
PHOTO
 NOT TO SCALE **36**

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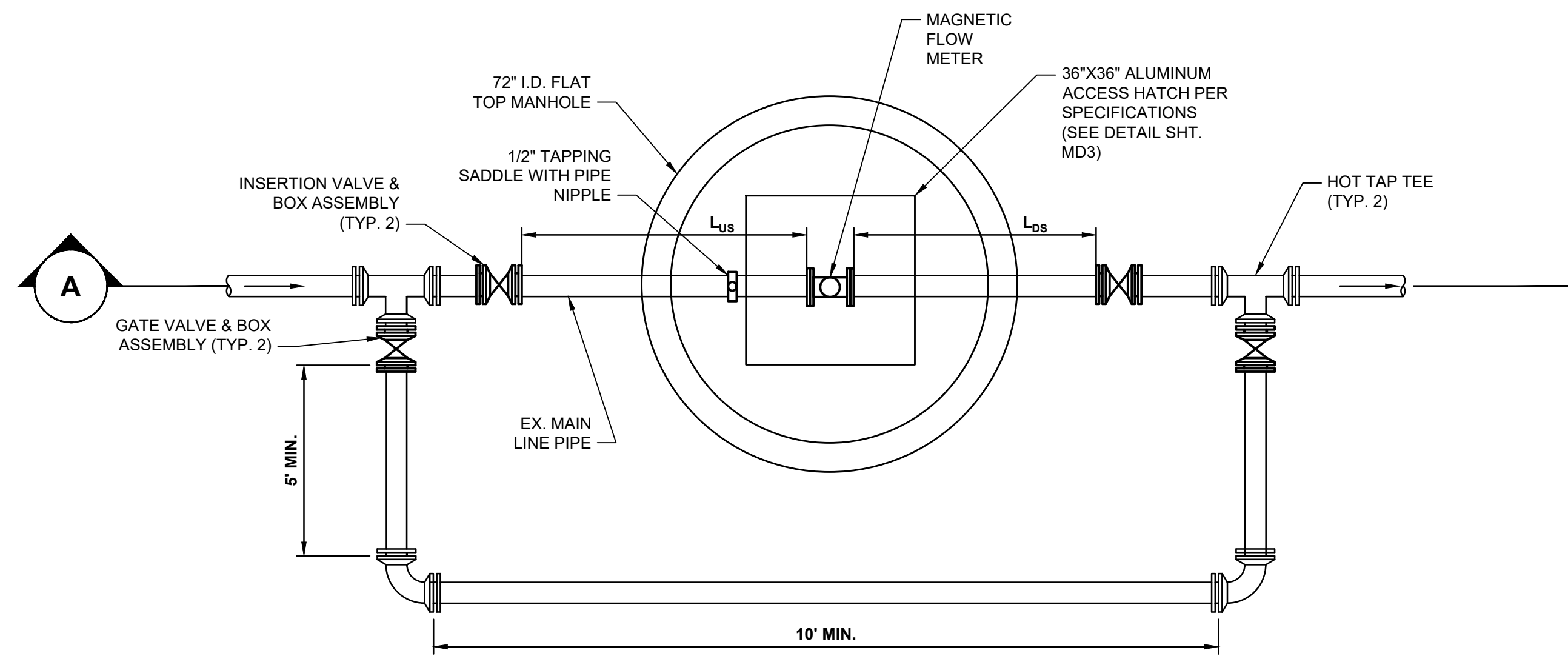
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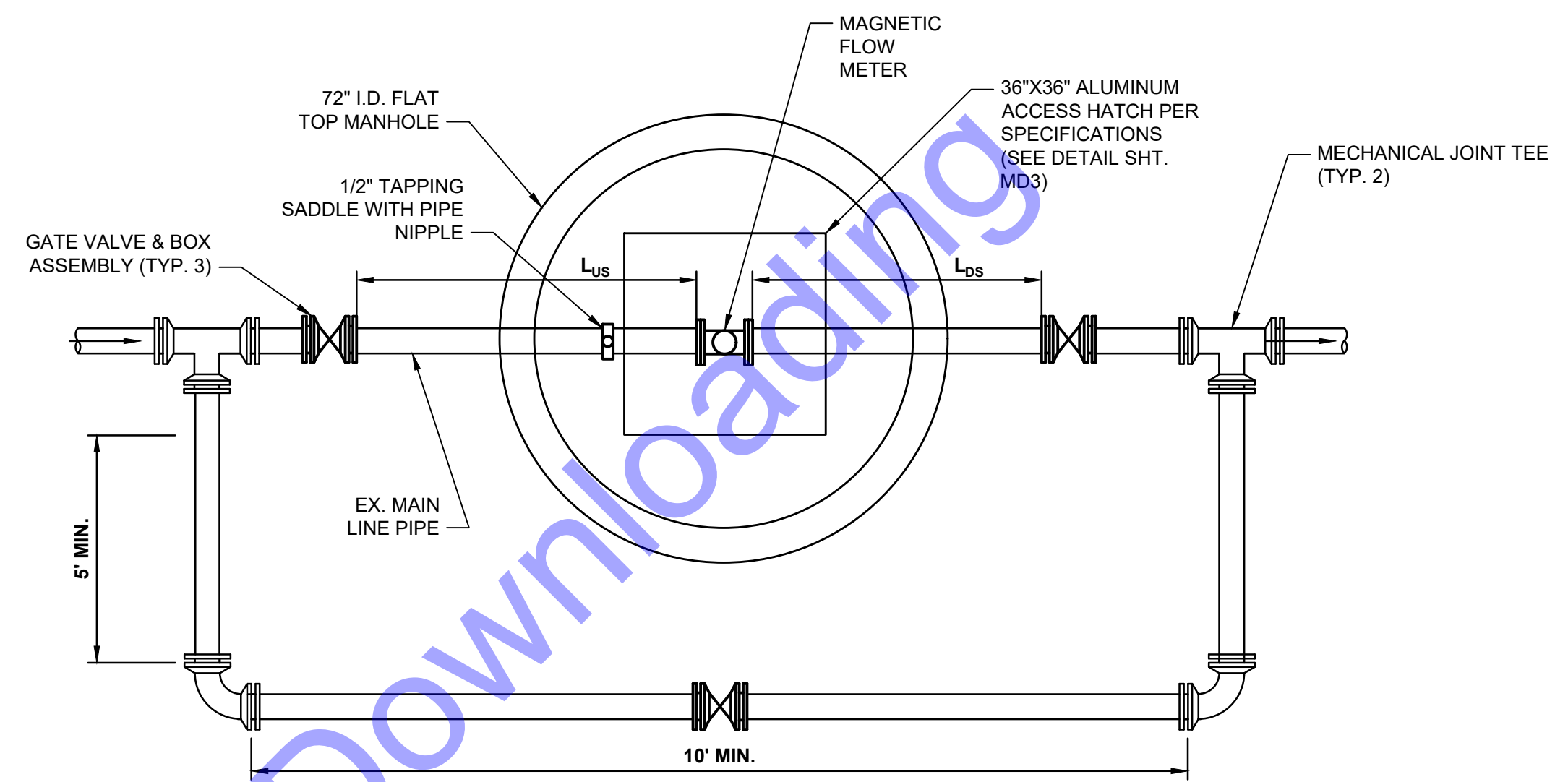
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PLAN - BASIN Z
 Drawing No:
C23
 Sheet: 27 OF 31



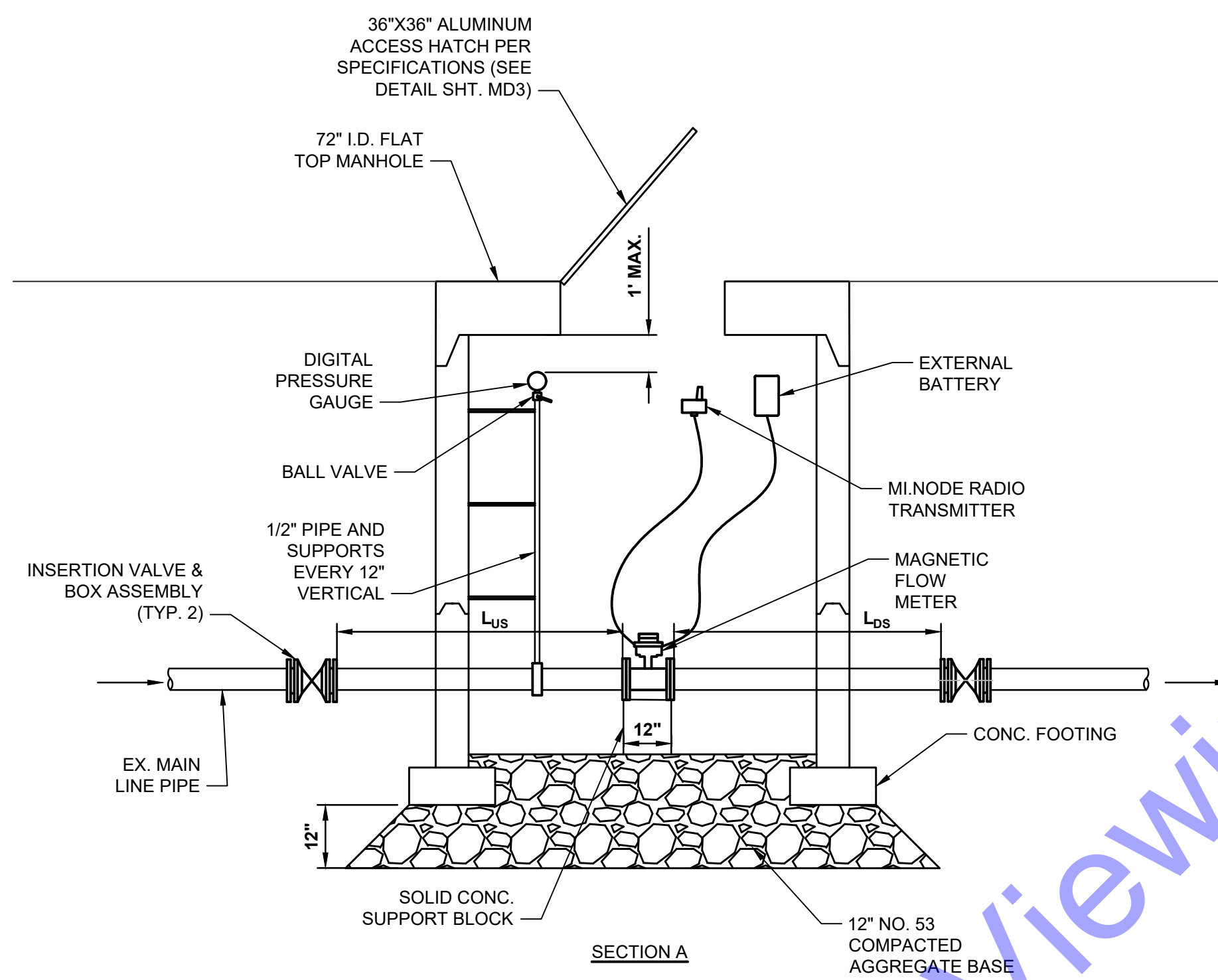
LIVE TAP ZONE METER WITH BYPASS PIPING

NO SCALE



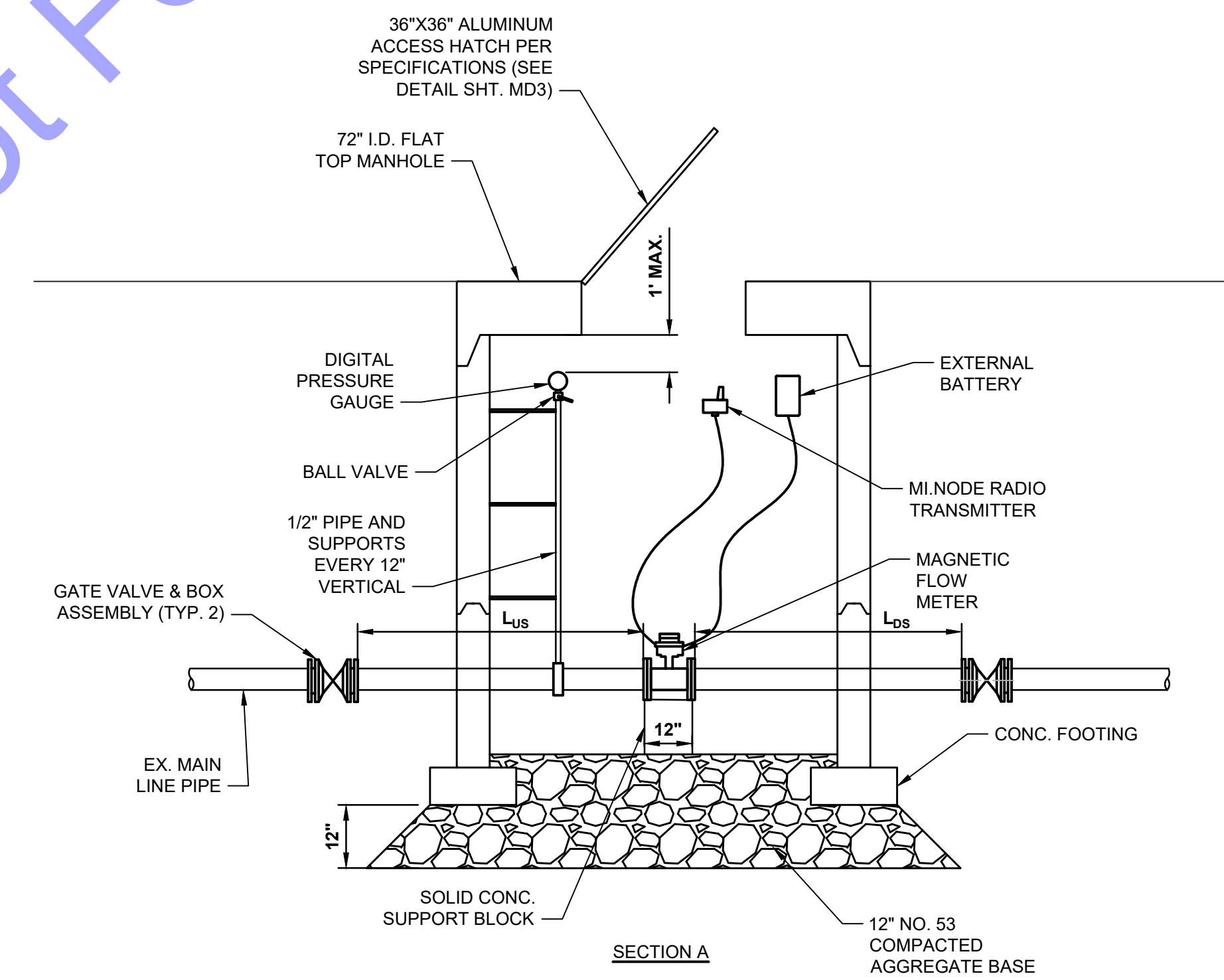
DEAD TAP ZONE METER WITH BYPASS PIPING

NO SCALE



SECTION A

NO SCALE



SECTION A

NO SCALE

$L_{us} = 5D \text{ OR } 5'$, WHICHEVER IS GREATER
 $L_{ds} = 3D \text{ OR } 5'$, WHICHEVER IS GREATER
 WHERE D = MAIN LINE PIPE DIAMETER

$L_{us} = 5D \text{ OR } 5'$, WHICHEVER IS GREATER
 $L_{ds} = 3D \text{ OR } 5'$, WHICHEVER IS GREATER
 WHERE D = MAIN LINE PIPE DIAMETER

GENERAL NOTES:

- CONTRACTOR TO COORDINATE WITH WATER UTILITY COORDINATOR (DAVID GUFFEY, PH: 606-306-1379) TO VERIFY LOCATION, DEPTH, AND PIPE SIZE PRIOR TO ORDERING MATERIALS.
- CONTRACTOR SHALL MOUNT THE EXTERNAL BATTERY AND RADIO TRANSMITTER TO THE INTERIOR WALL OF THE MANHOLE STRUCTURES AND CONNECT THE DEVICES TO THE METERS. ADJUSTMENTS WITHIN EACH MANHOLE MAY BE REQUIRED TO OBTAIN PROPER FUNCTIONALITY OF RADIO TRANSMITTER DURING TESTING.
- FOR BIDDING PURPOSES, CONTRACTOR SHALL ASSUME TYPICAL WATER MAIN DEPTH IS 5' AND WATER MAIN SHOULD BE INSTALLED MINIMUM OF 1' FROM BOTTOM OF STRUCTURE. PRIOR TO ORDERING MATERIALS, CONTRACTOR SHALL FIELD VERIFY DEPTH OF EXISTING MAIN.
- CONTRACTOR SHALL PROVIDE PIPE RESTRAINTS ON THE EXISTING WATER MAIN AS NEEDED.
- BYPASS LINES AND METERS ARE MEANT TO BE THE SAME SIZE IN DIAMETER AS THE WATER MAIN LINE.

GENERAL NOTES:

- CONTRACTOR TO COORDINATE WITH WATER UTILITY COORDINATOR (DAVID GUFFEY, PH: 606-306-1379) TO VERIFY LOCATION, DEPTH, AND PIPE SIZE PRIOR TO ORDERING MATERIALS.
- CONTRACTOR TO COORDINATE WITH AFFECTED CUSTOMERS TO SCHEDULE WATER SHUT OFF PERIOD.
- CONTRACTOR SHALL MOUNT THE EXTERNAL BATTERY AND RADIO TRANSMITTER TO THE INTERIOR WALL OF THE MANHOLE STRUCTURES AND CONNECT THE DEVICES TO THE METERS. ADJUSTMENTS WITHIN EACH MANHOLE MAY BE REQUIRED TO OBTAIN PROPER FUNCTIONALITY OF RADIO TRANSMITTER DURING TESTING.
- FOR BIDDING PURPOSES, CONTRACTOR SHALL ASSUME TYPICAL WATER MAIN DEPTH IS 5' AND WATER MAIN SHOULD BE INSTALLED MINIMUM OF 1' FROM BOTTOM OF STRUCTURE. PRIOR TO ORDERING MATERIALS, CONTRACTOR SHALL FIELD VERIFY DEPTH OF EXISTING MAIN.
- CONTRACTOR SHALL PROVIDE PIPE RESTRAINTS ON THE EXISTING WATER MAIN AS NEEDED.
- BYPASS LINES AND METERS ARE MEANT TO BE THE SAME SIZE IN DIAMETER AS THE WATER MAIN LINE.

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 TRAVIS S. HARPER
 37687
 LICENSED PROFESSIONAL ENGINEER

Signature _____ Date 8/29/24

**CITY OF ALBANY
 CLINTON COUNTY, KENTUCKY
 ZONE METER PROJECT**

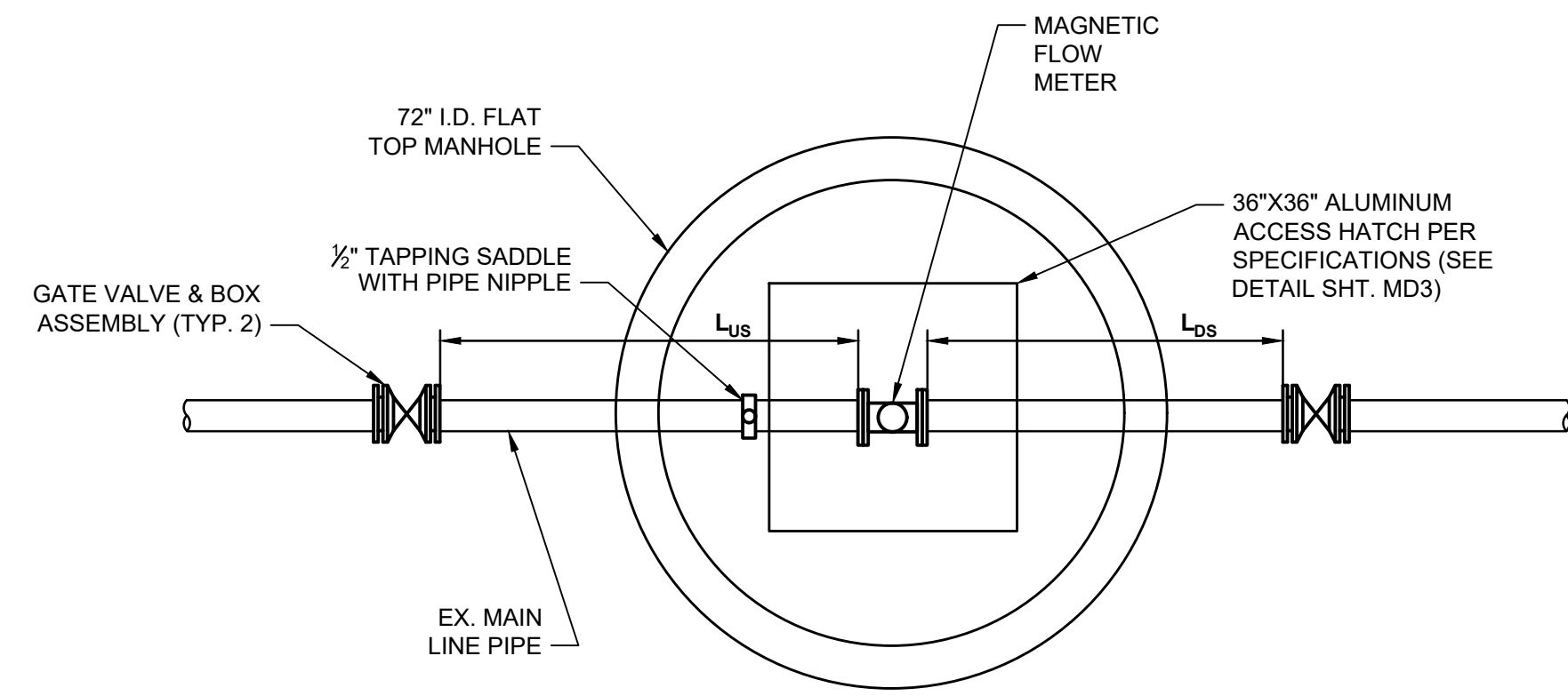
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Kentucky 811
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Date	
By	
Submitted / Revision	

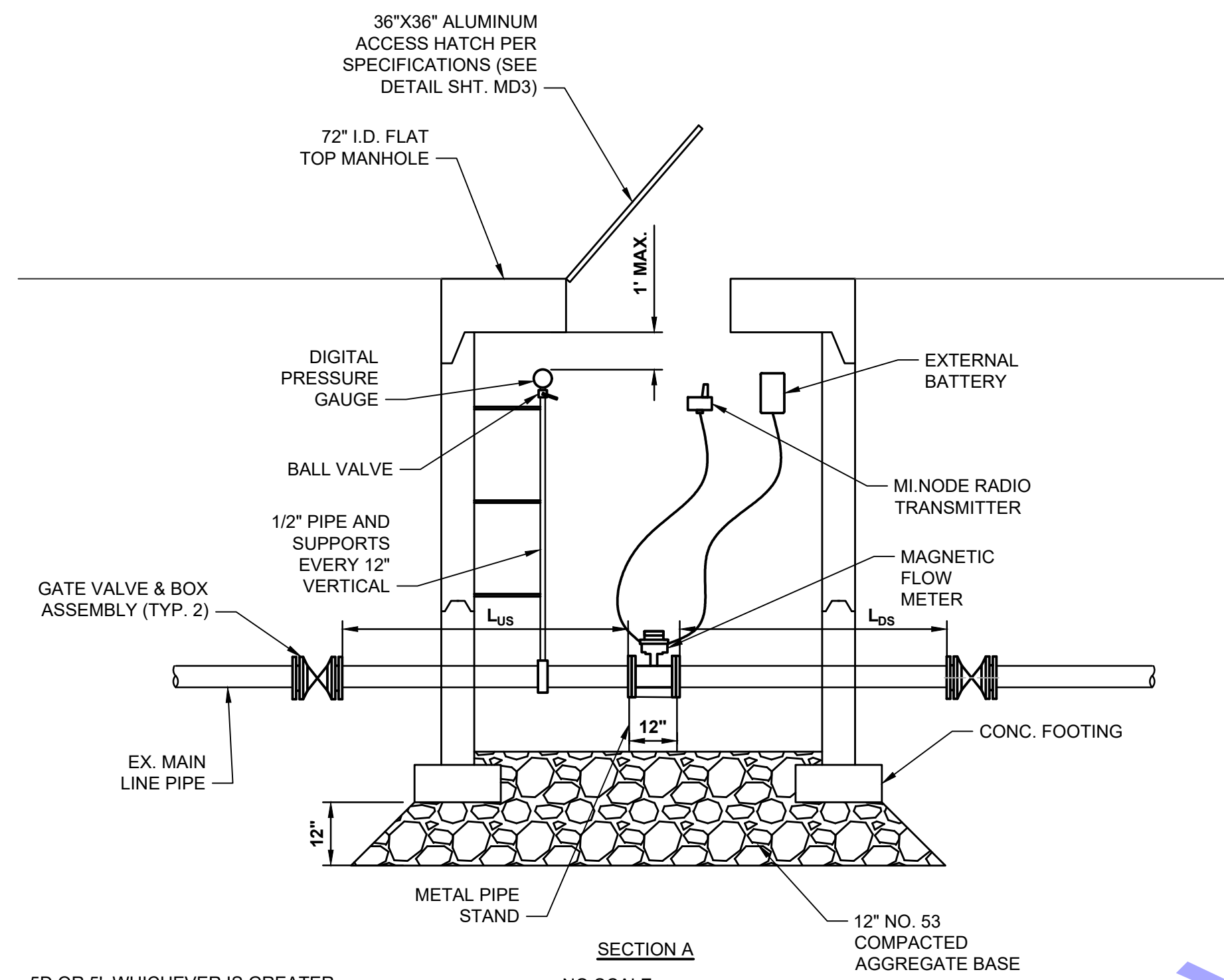
Designed By:	Drawn By:	Checked By:
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Issue Date:	Project No:	Scale:
8/29/24	W24100	AS SHOWN

**MISCELLANEOUS
 DETAILS I**

Drawing No:
MD1
 Sheet: 28 OF 31



ZONE METER WITH NO BYPASS PIPING
NO SCALE



SECTION A
NO SCALE
L_{us} = 5D OR 5', WHICHEVER IS GREATER
L_{ds} = 3D OR 5', WHICHEVER IS GREATER
WHERE D = MAIN LINE PIPE DIAMETER

GENERAL NOTES:

- CONTRACTOR TO COORDINATE WITH WATER UTILITY COORDINATOR (DAVID GUFFEY: PH: 606-306-1379) TO VERIFY LOCATION, DEPTH, AND PIPE SIZE PRIOR TO ORDERING MATERIALS.
- CONTRACTOR TO COORDINATE WITH AFFECTED CUSTOMERS TO SCHEDULE WATER SHUT OFF PERIOD.
- CONTRACTOR SHALL MOUNT THE EXTERNAL BATTERY AND RADIO TRANSMITTER TO THE INTERIOR WALL OF THE MANHOLE STRUCTURES AND CONNECT THE DEVICES TO THE METERS. ADJUSTMENTS WITHIN EACH MANHOLE MAY BE REQUIRED TO OBTAIN PROPER FUNCTIONALITY OF RADIO TRANSMITTER DURING TESTING.
- FOR BIDDING PURPOSES, CONTRACTOR SHALL ASSUME TYPICAL WATER MAIN DEPTH IS 5' AND WATER MAIN SHOULD BE INSTALLED MINIMUM OF 1' FROM BOTTOM OF STRUCTURE. PRIOR TO ORDERING MATERIALS, CONTRACTOR SHALL FIELD VERIFY DEPTH OF EXISTING MAIN.
- CONTRACTOR SHALL PROVIDE PIPE RESTRAINTS ON THE EXISTING WATER MAIN AS NEEDED.
- BYPASS LINES AND METERS ARE MEANT TO BE THE SAME SIZE IN DIAMETER AS THE WATER MAIN LINE.

METER SCHEDULE						
SHEET NO.	METER NO.	MAIN DIAMETER (IN.)	NEW OR EXISTING METER	LIVE OR DEAD TAP	EASTING ⁴	NORTHING ⁴
C01	1	4	EXISTING	DEAD	1790518.59	1799852.98
C02	2	4	EXISTING	LIVE	1800120.85	1763372.65
C04	3	4	EXISTING	DEAD	1800870.38	1797051.48
C03	4	2	NEW	DEAD	1801314.38	1797233.65
C04	5	8	NEW	LIVE	1804359.30	1826209.98
C05	6	16	EXISTING	DEAD ¹	1806092.62	1783476.32
C05	7	6	NEW	DEAD	1807761.83	1806182.06
C05	8	4	EXISTING	DEAD	1808418.33	1779539.57
C07	9	8	NEW	LIVE	1808447.81	1805759.52
C06	10	6	EXISTING	DEAD ¹	1808550.84	1779587.08
C06	11	6	EXISTING	DEAD ¹	1808595.22	1759780.74
C09	12	4	NEW	LIVE	1809302.07	1772016.56
C08	13	6	NEW	DEAD	1809555.35	1794903.25
C10	14	6	EXISTING	DEAD	1810589.09	1798880.84
C07	15	6	NEW	DEAD	1816049.06	1772643.76
C07	16	2	NEW	LIVE	1816761.03	1764165.96
C11	17	6	NEW	DEAD	1816802.13	1773939.91
C12	18	6	EXISTING	LIVE	1819239.13	1794516.15
C13	19	6	EXISTING	LIVE	1819885.87	1792895.79
C14	20	6	NEW	LIVE	1820101.86	1795046.52
C15	21	12	NEW	LIVE	1820231.88	1793990.69
C16	22	6	NEW	LIVE	1820390.83	1789476.94
C17	25	4	NEW	LIVE	1820451.84	1789089.78
C18	27	12	NEW	LIVE	1820492.94	1794435.36
C18	28	6	NEW	LIVE	1820950.85	1792551.34
C19	29	8	NEW	LIVE	1824971.19	1770898.87
C20	30	6	EXISTING	LIVE	1826089.38	1766636.77
C21	31	6	EXISTING	DEAD	1833026.22	1800651.30
C22	32	6	NEW	DEAD ²	1835977.77	1792559.75
C22	33	6	NEW	DEAD ²	1839941.27	1813334.93
C23	34	14	NEW	LIVE	1840407.85	1813282.53
C23	35	8	NEW	DEAD ³	1842077.54	1762323.38
C23	36	12	EXISTING	DEAD ^{1,3}	1842798.43	1810494.09

NOTES:

- METERS 6, 10, 11 AND 36 MAY REQUIRE INSERTION VALVES TO BE INSTALLED BEFORE CONSTRUCTION OF DEAD TAP AND BYPASS PIPING. CONTRACTOR SHALL UTILIZE EXISTING TEES AND MAIN LINE VALVES AS APPLICABLE AND IN COORDINATION WITH OWNER. EXISTING STRUCTURES SHALL BE UTILIZED AS NEW METER PIT.
- METERS 32 AND 33 SHALL BE LOCATED ON PARALLEL 6" MAINS. ONE MAIN MAY BE SHUT OFF IN COORDINATION WITH OWNER AND METER INSTALLATION COMPLETED WHILE THE OTHER MAIN PROVIDES SERVICE TO AFFECTED CUSTOMERS. ONE MAIN MUST REMAIN OPERATIONAL AT ALL TIMES.
- METERS 35 AND 36 SHALL BE LOCATED ON PARALLEL 8" AND 12" MAINS, RESPECTIVELY. ONE MAIN MAY BE SHUT OFF IN COORDINATION WITH OWNER AND METER INSTALLATION COMPLETED WHILE THE OTHER MAIN PROVIDES SERVICE TO AFFECTED CUSTOMERS. ONE MAIN MUST REMAIN OPERATIONAL AT ALL TIMES.
- NORTHING AND EASTING OF EACH METER IS PROVIDED AS A REFERENCE ONLY, CONTRACTOR SHALL FIELD VERIFY LOCATION AND SIZE OF WATER MAIN PRIOR TO ORDERING MATERIALS. CONTRACTOR SHALL COORDINATE FINAL METER LOCATION WITH CITY OF ALBANY.

File: Z:\BIDDING\CLINTON\100 MASTER METER DESIGN\CDVA\CURRENT FILES\DRAWINGS\03 DETAIL.DWG
 Sheet: 29 OF 31
 Date: 8/29/24 2:48:56 PM
 User: jgibson
 Project: Clinton County Water Utility
 Location: Clinton County, Kentucky
 Scale: AS SHOWN

COMMONWEALTH ENGINEERS INC.
 A member of the Commonwealth Engineers Group
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 CROWN POINT, IN
 BOWLING GREEN, KY
 SOUTH BEND, IN

STATE OF KENTUCKY
 TRAVIS S. HARPER
 37687
 LICENSED PROFESSIONAL ENGINEER

Signature _____ Date 8/29/24

CITY OF ALBANY
 CLINTON COUNTY, KENTUCKY
ZONE METER PROJECT

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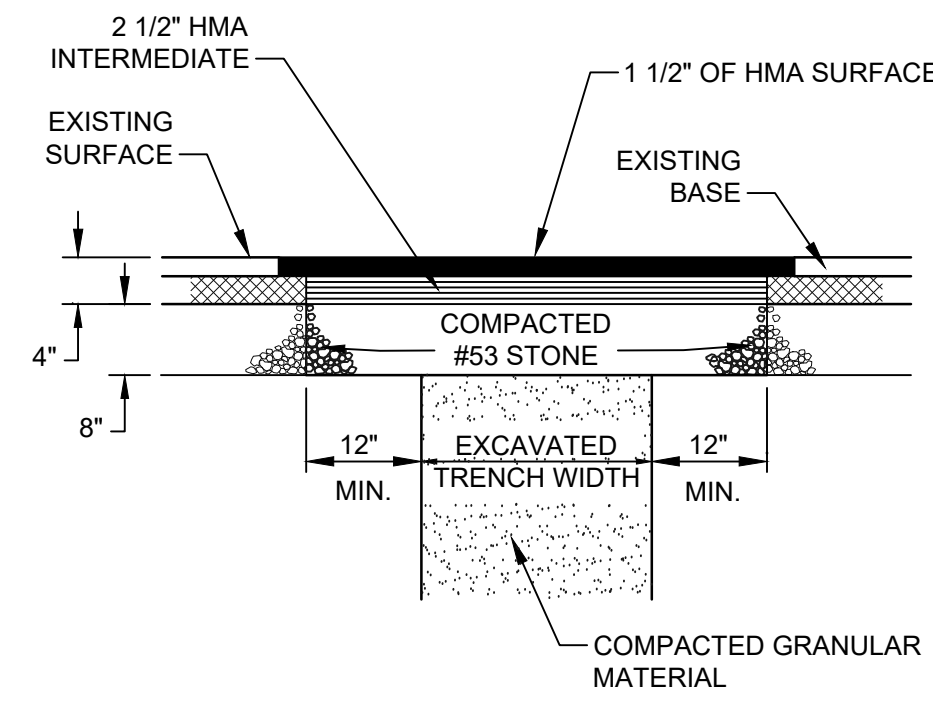
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No.	Submittal / Revision	Date

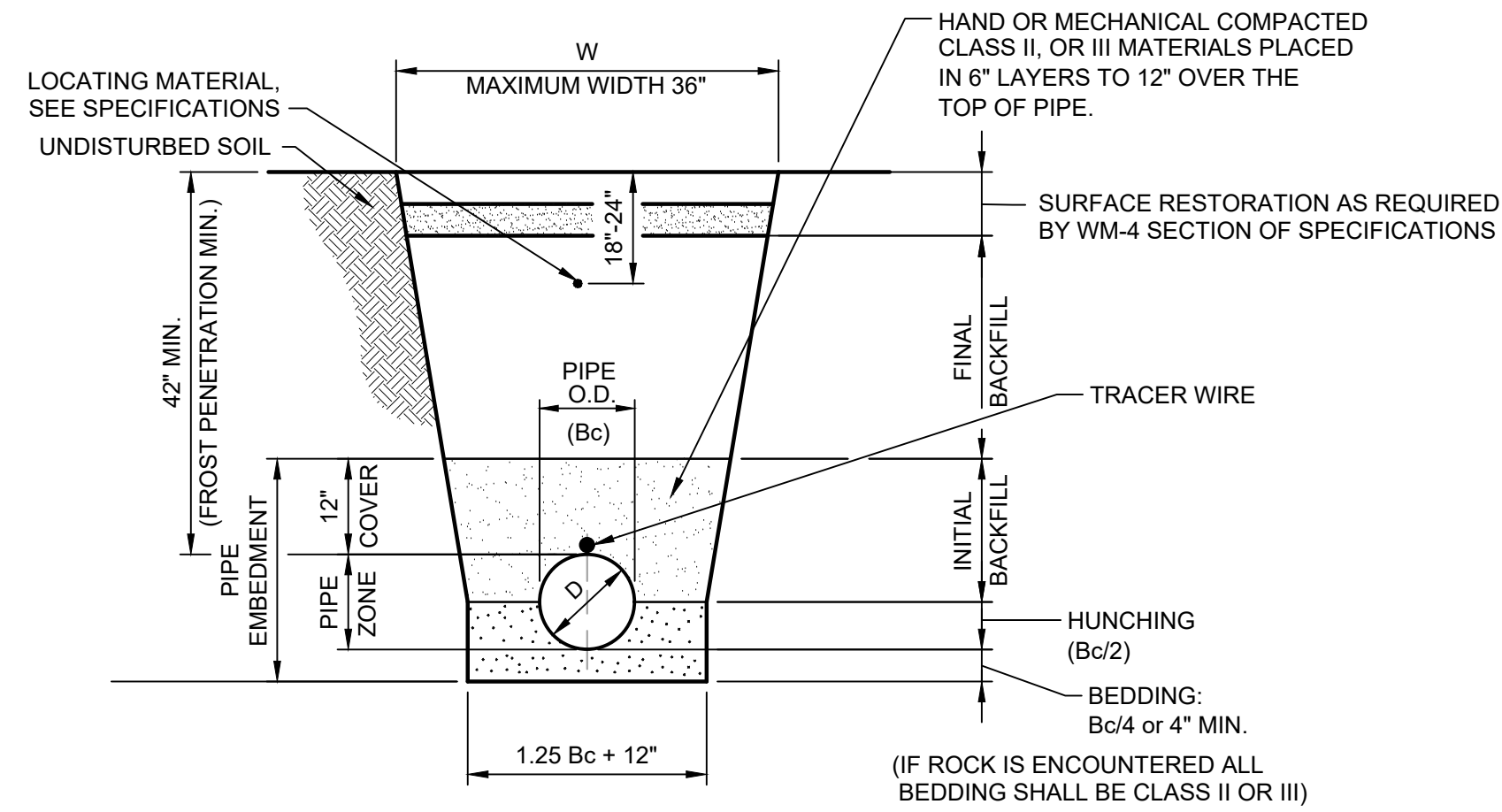
Designed By: _____ Drawn By: MAG Checked By: _____
 Issue Date: 8/29/24 Project No: W24100 Scale: AS SHOWN

MISCELLANEOUS DETAILS II

Drawing No:
MD2
 Sheet: 29 OF 31



SURFACE RESTORATION DETAIL FOR ASPHALT PAVEMENT- ROAD
NO SCALE



W = MAX. ALLOWABLE TRENCH WIDTH FOR PIPE SHALL NOT TO EXCEED 30 INCHES FOR 4" THROUGH 8" PIPE, 36" FOR 8" THROUGH 12" PIPE.
D = PIPE DIAMETER (INTERNAL)
Bc = PIPE DIAMETER (EXTERNAL)

APPLICATION

GRASSY AREA OR NEW PAVED AREAS
PAVEMENT AREA OR ANY AREA SUBJECT TO VEHICULAR TRAFFIC

BEDDING & HUNCHING

INITIAL BACKFILL
CLASS I, OR II MATERIAL (REFER TO WORKMANSHIP & MATERIALS SPECIFICATIONS)
FINAL BACKFILL
CLASS I, II OR III MATERIAL (REFER TO WORKMANSHIP & MATERIALS SPECIFICATIONS)

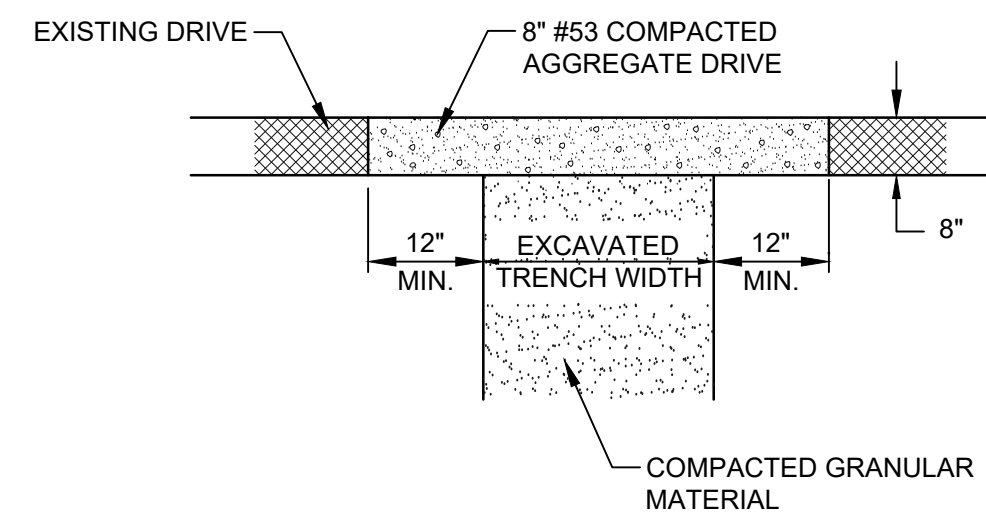
FINAL BACKFILL

SELECTED EXCAVATED MATERIAL
COMPACTED GRANULAR MATERIAL

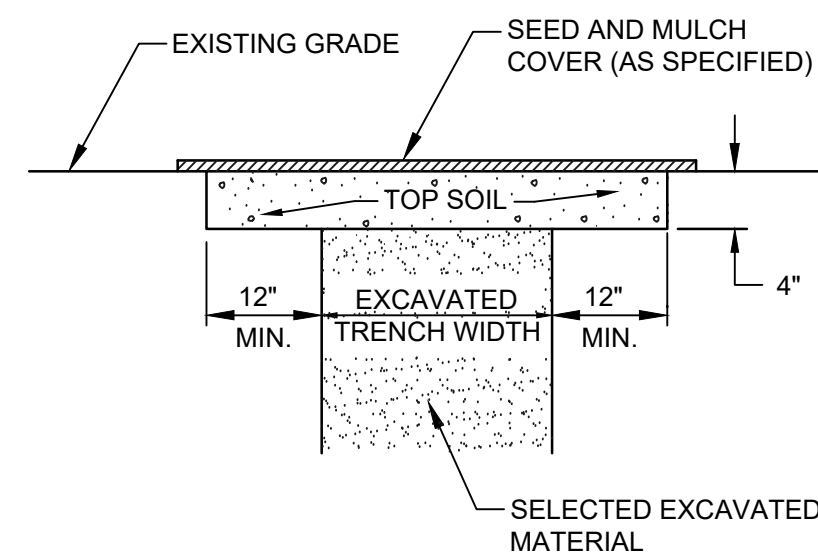
NOTES:

- INITIAL BACKFILL STOPS AT A POINT 12" ABOVE THE TOP OF THE PIPE. BACKFILLING ABOVE THIS POINT SHALL BE IN ACCORDING WITH THE SPECIFICATIONS AND AS REQUIRED BY HEREIN.
- BEDDING, HUNCHING AND INITIAL BACKFILL SHALL BE CLASS I, II, OR III MATERIALS ACCORDING TO THE WORKMANSHIP AND MATERIALS SPECIFICATIONS.
- WORK FALLING UNDER THE JURISDICTION OF THE INDIANA DEPARTMENT OF TRANSPORTATION (INDOT) SHALL UTILIZE COMPACTED GRANULAR BACKFILL MATERIAL FOR INITIAL AND FINAL BACKFILL ANYWHERE WITHIN 12 FEET OF THE EDGE OF PAVEMENT.
- WORK NOT FALLING UNDER THE JURISDICTION OF INDIANA DEPT. OF TRANSPORTATION SHALL UTILIZE COMPACTED GRANULAR BACKFILL MATERIAL FOR INITIAL AND FINAL BACKFILL ANYWHERE WITHIN 5 FEET OF THE EDGE OF PAVEMENT.

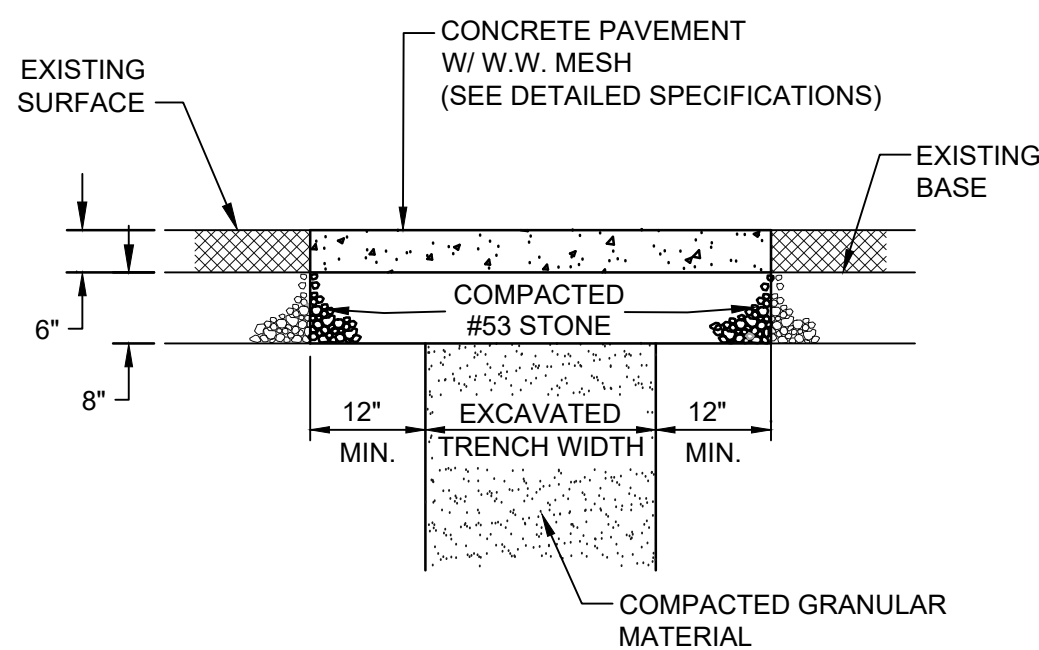
TRENCH DETAIL FOR WATER MAIN
NO SCALE



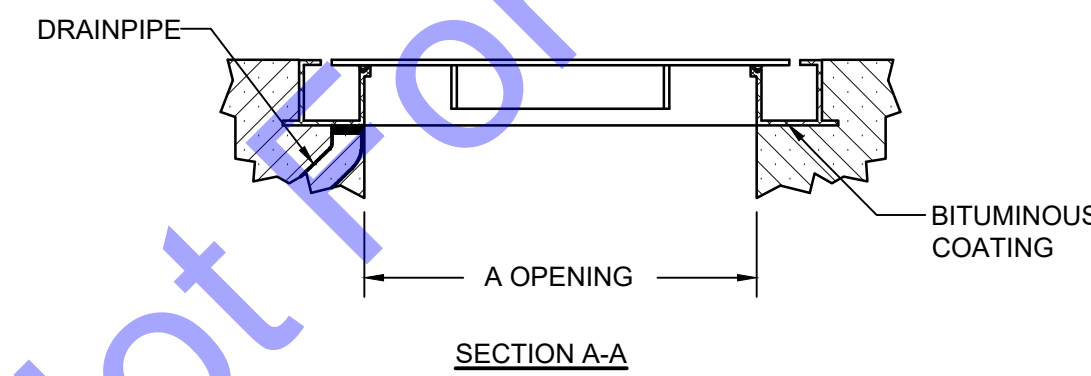
SURFACE RESTORATION DETAIL FOR GRAVEL PAVEMENT- ROAD
NO SCALE



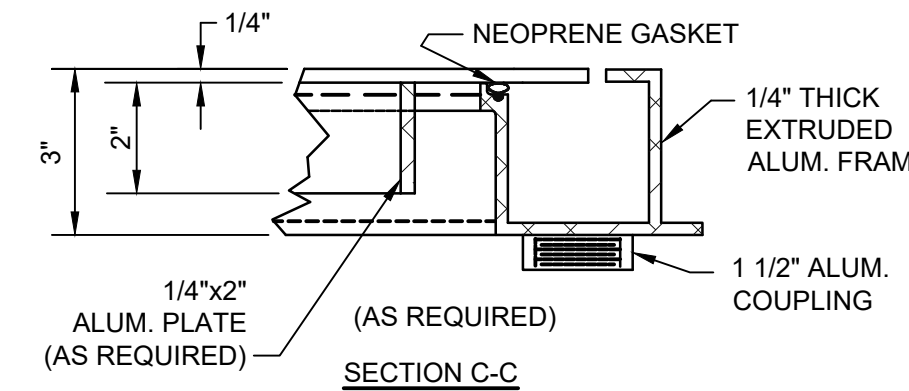
SURFACE RESTORATION DETAIL FOR GRASS AREAS
NO SCALE



SURFACE RESTORATION DETAIL FOR CONCRETE PAVEMENT - DRIVE
NO SCALE



SECTION A-A



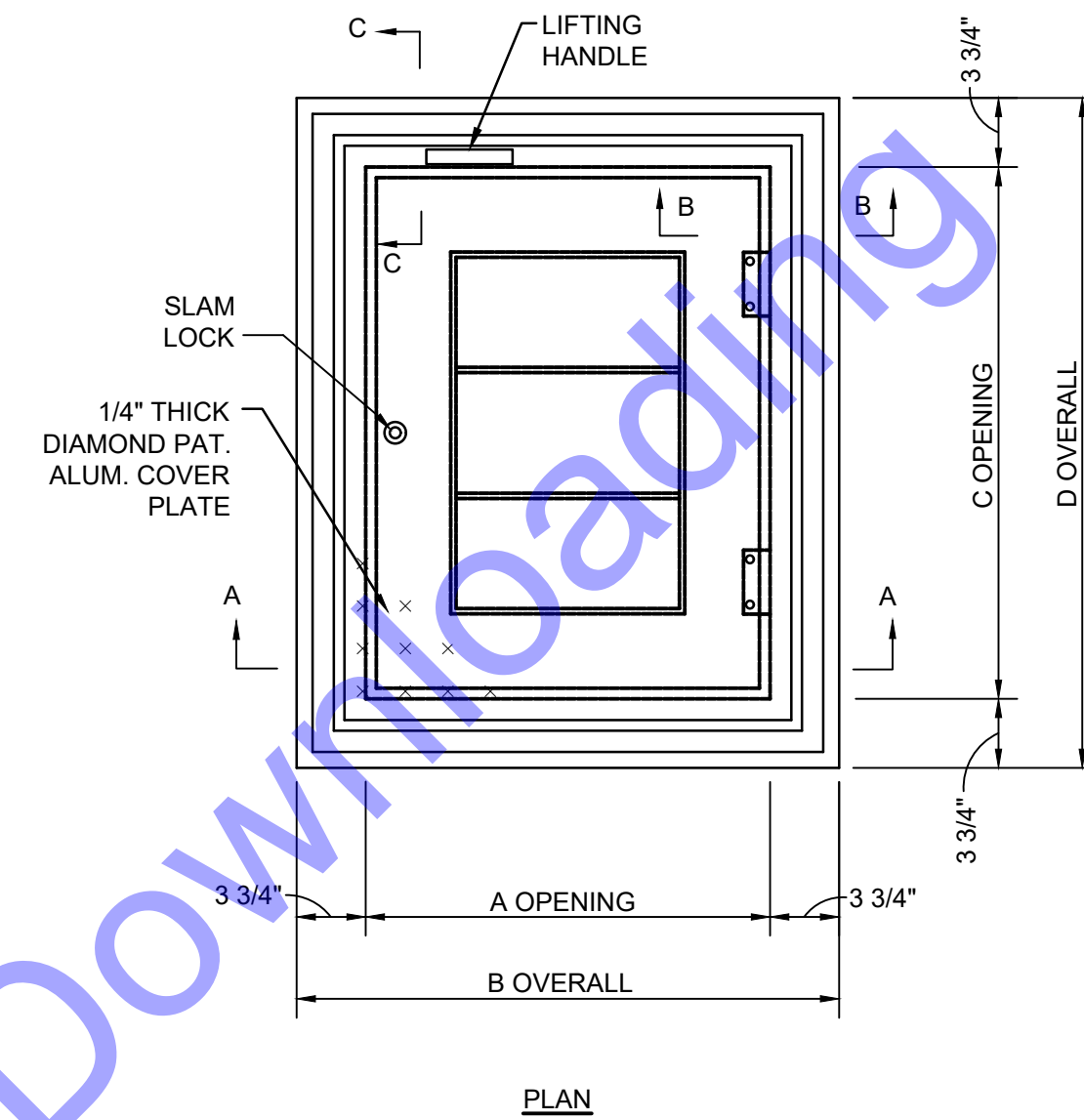
SECTION C-C

NOMINAL OPENING (INCHES)	DIMENSIONS (VARY PER MANUFACTURER)			
	A	B	C	D
24x24	24"	31 1/2"	24"	31 1/2"
30x30	30"	37 1/2"	30"	37 1/2"
36x36	36"	43 1/2"	36"	43 1/2"
30x48	30"	37 1/2"	48"	55 1/2"
36x48	36"	43 1/2"	48"	55 1/2"

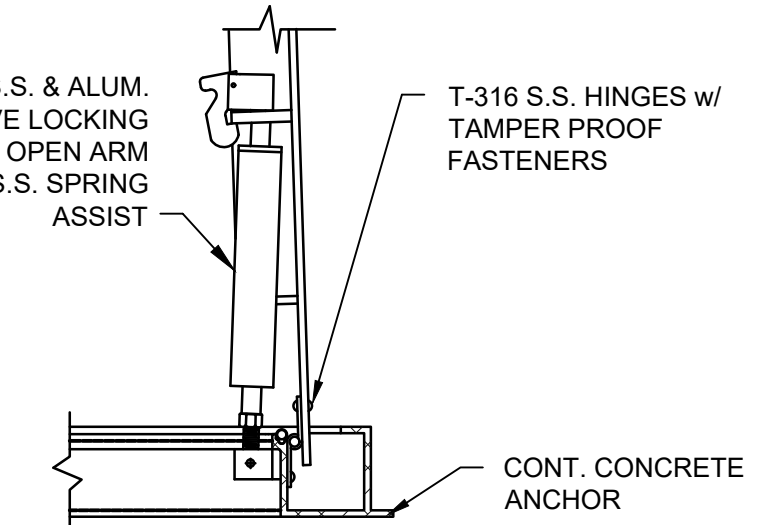
TYPICAL SINGLE LEAF ACCESS HATCH DETAIL
NO SCALE

NOTE:

CONTRACTOR SHALL PIPE DRAIN TO EXTERIOR OF STRUCTURE (REFER TO PROCESS DRAWINGS AND SPECIFICATIONS FOR MORE DETAILS).



PLAN



SECTION B-B
(COVER SHOWN IN OPEN POSITION)

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BOWLING GREEN, KY
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STATE OF KENTUCKY
TRAVIS S. HARPER
37687
LICENSED PROFESSIONAL ENGINEER

Signature Date 8/29/24

CITY OF ALBANY
CLINTON COUNTY, KENTUCKY
ZONE METER PROJECT

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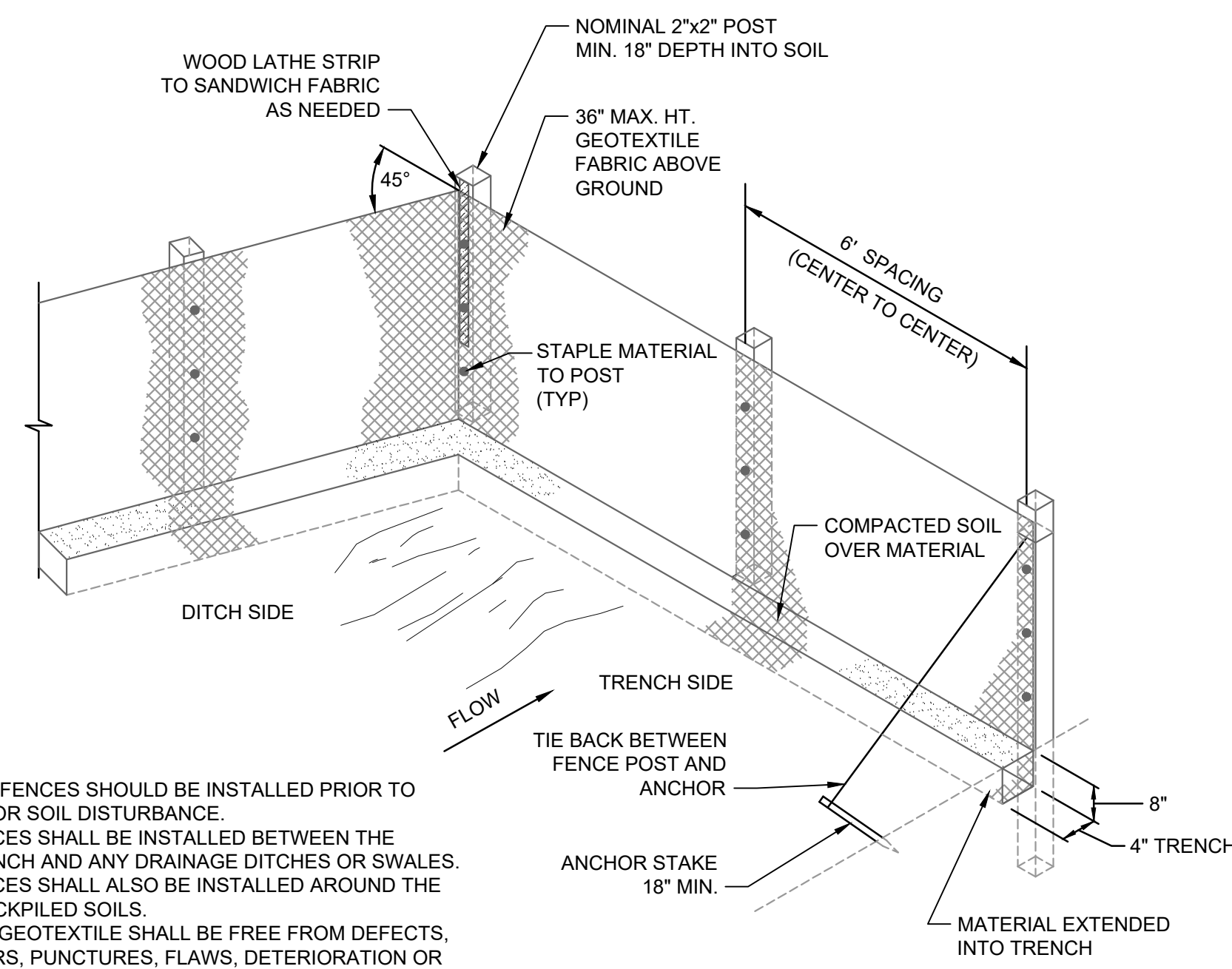
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Issue Date: 8/29/24 Project No: W24100 Scale: AS SHOWN

MISCELLANEOUS DETAILS III

Drawing No:
MD3
Sheet: 30 OF 31

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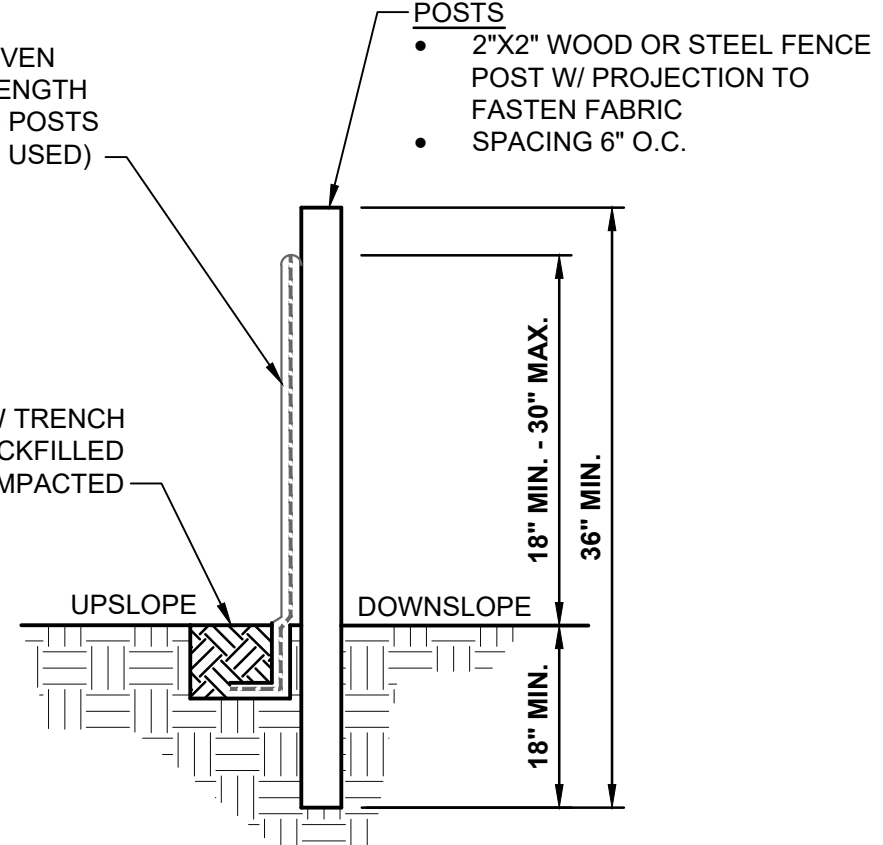
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NOTES:

1. SILT FENCES SHOULD BE INSTALLED PRIOR TO MAJOR SOIL DISTURBANCE.
2. FENCES SHALL BE INSTALLED BETWEEN THE TRENCH AND ANY DRAINAGE DITCHES OR SWALES.
3. FENCES SHALL ALSO BE INSTALLED AROUND THE STOCKPILED SOILS.
4. THE GEOTEXTILE SHALL BE FREE FROM DEFECTS, TEARS, PUNCTURES, FLAWS, DETERIORATION OR DAMAGE INCURRED DURING MANUFACTURE, TRANSPORTATION, STORAGE, OR INSTALLATION.
5. TIE BACKS SHALL BE PLACED AS REQUIRED.

- FILTER FABRIC**
- WOVEN OR NON-WOVEN
 - NO JOINTS ALONG LENGTH
 - STAPLE OR WIRE TO POSTS (AND WIRE FENCE IF USED)



INSTALLATION:

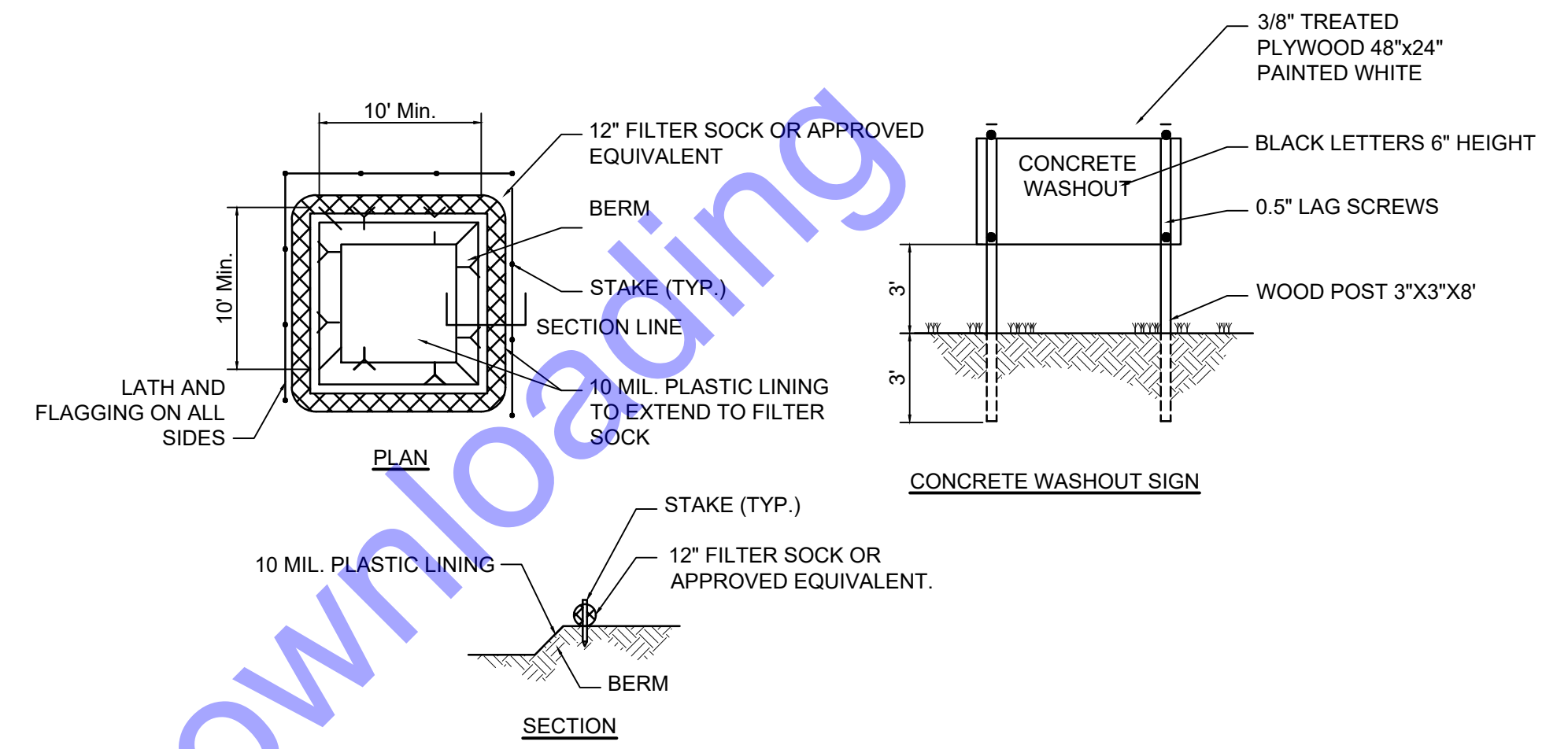
1. THE BOTTOM 1' OF THE FENCE SHALL BE BURIED IN THE TRENCH ON THE UPSLOPE SIDE.
2. FENCE SHALL BE INSTALLED ALONG LEVEL GRADES, NOT ACROSS FLOW CHANNELS.
3. IF OPTIONAL SUPPORT WIRE FENCE IS USED, POST SPACING MAY BE EXTENDED TO 8' O.C.

MAINTENANCE:

1. INSPECT SILT FENCE PERIODICALLY (WEEKLY) AND AFTER EACH STORM EVENT.
2. IF FABRIC IS TORN OR DAMAGED OR IN ANY WAY BECOMES INEFFECTIVE, REPLACE THE AFFECTED PORTION IMMEDIATELY.
3. REMOVE DEPOSITED SEDIMENT WHEN IT REACHES HALF THE HEIGHT OF THE FENCE, OR IT IS CAUSING THE FABRIC TO BULGE.
4. TAKE CARE NOT TO UNDERMINE THE FENCE DURING SEDIMENT REMOVAL.
5. AFTER THE CONTRIBUTING AREA HAS BEEN STABILIZED, REMOVE THE FENCE AND REMAINING SEDIMENT, BRING THE DISTURBED AREA TO GRADE, AND STABILIZE.

SILT FENCE DETAIL

NO SCALE

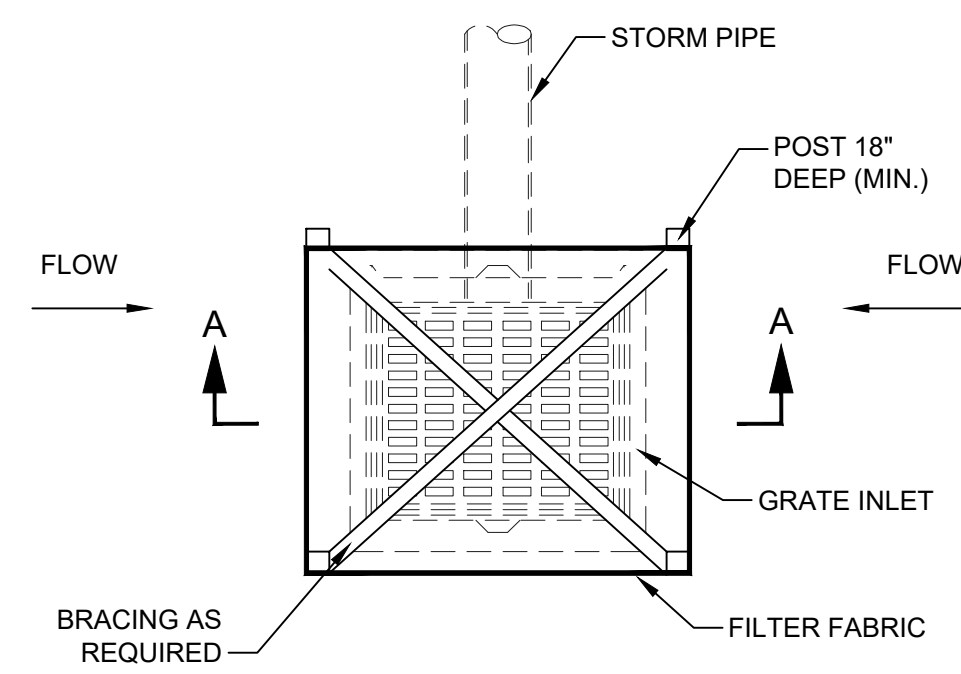


WASHOUT AREA NOTES:

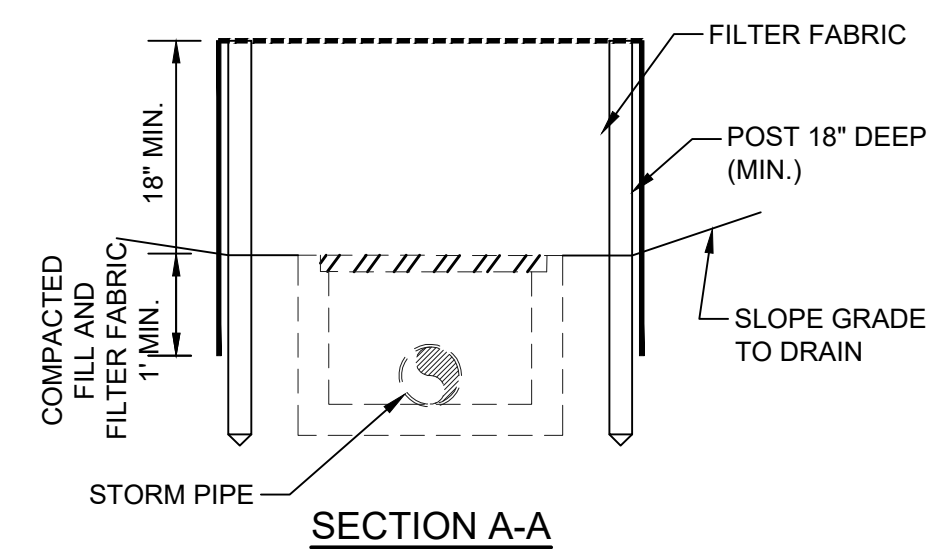
1. CONCRETE WASHOUT AREA SHALL BE INSTALLED PRIOR TO ANY PLACEMENT ON SITE.
2. SIGNS SHALL BE PLACED AT THE CONSTRUCTION ENTRANCE AT THE WASHOUT AREA, AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CONCRETE WASHOUT AREA TO OPERATORS OF CONCRETE TRUCKS AND PUMP RIGS.
3. THE CONCRETE WASHOUT AREA SHALL BE REPAIRED AND ENLARGED OR CLEANED AS NECESSARY TO MAINTAIN CAPACITY FOR WASHOUT CONCRETE.
4. AT THE END OF CONSTRUCTION, ALL CONCRETE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT AN APPROVED WASTE SITE.
5. WHEN CONCRETE WASHOUT AREA IS REMOVED, THE DISTURBED AREA SHALL BE SEEDED AND MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE INSPECTOR.

CONCRETE WASHOUT AREA

NO SCALE



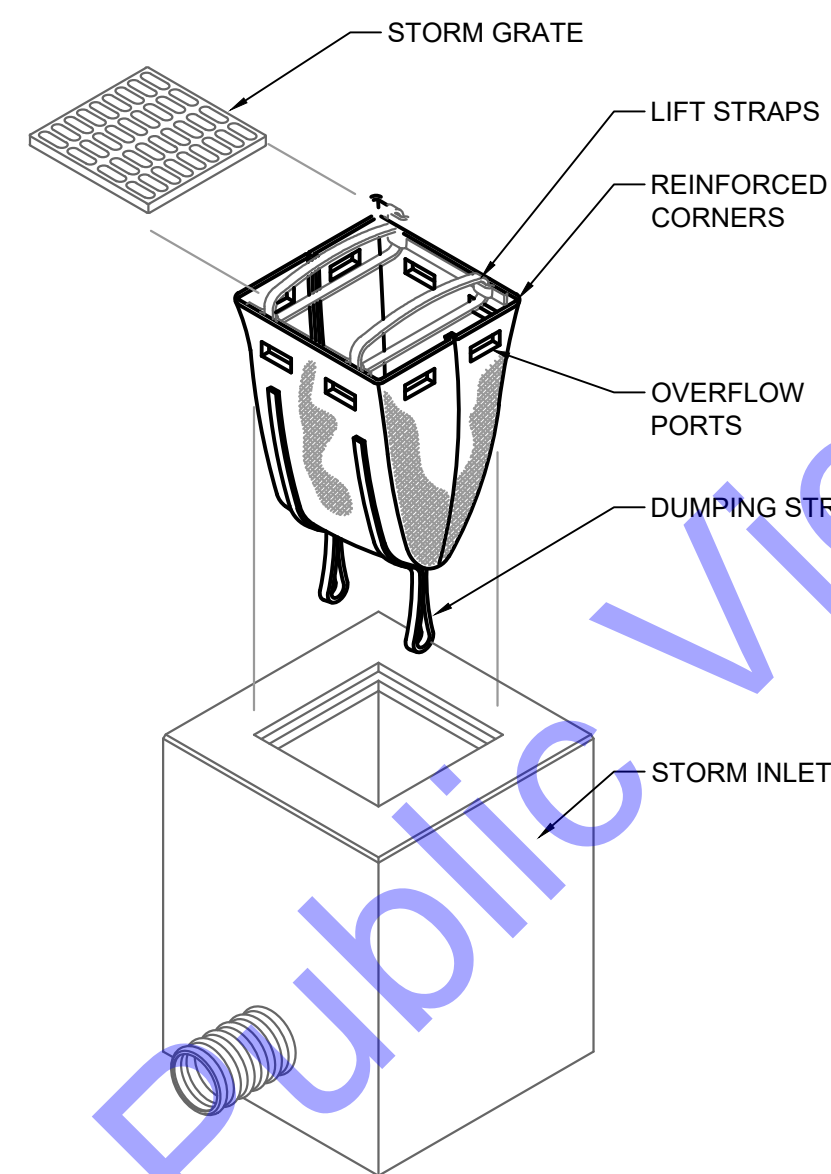
PLAN VIEW



SECTION A-A

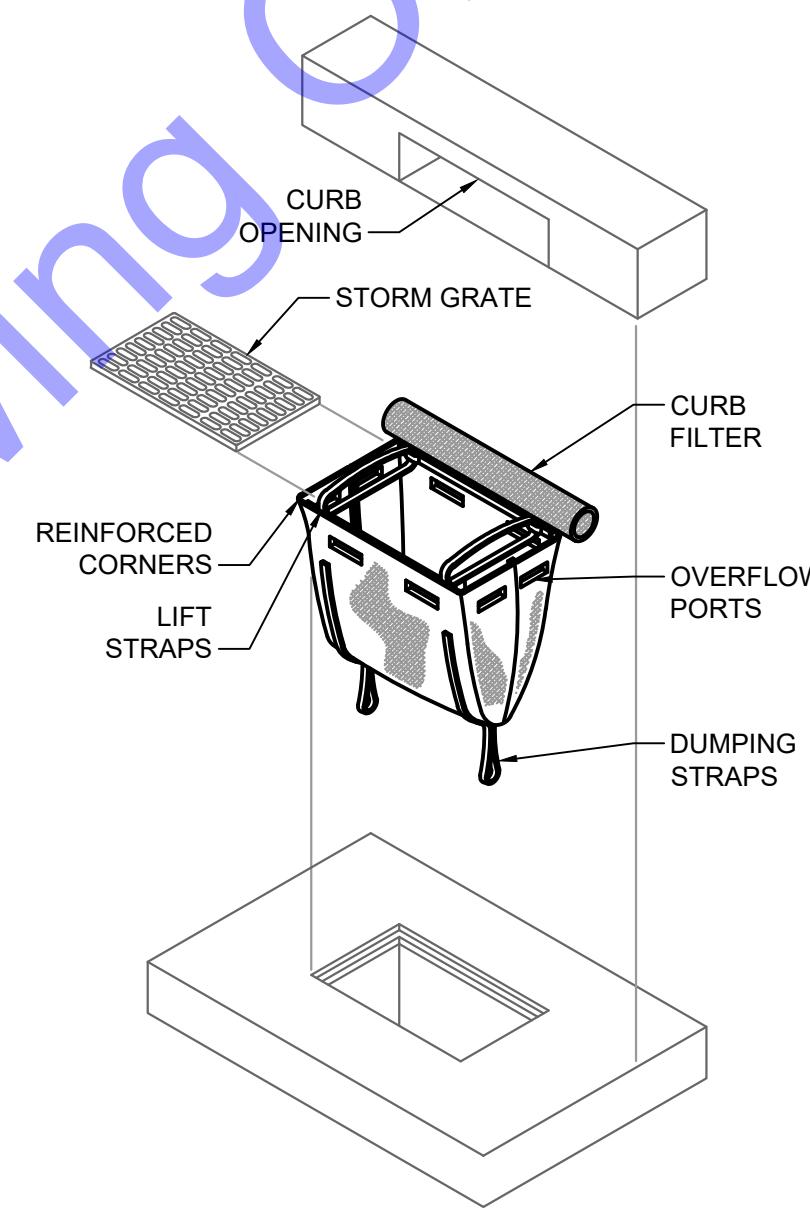
STORM INLET WITH SILT FENCE EROSION DETAIL

NO SCALE



INSERT (BASKET) INLET PROTECTION DETAIL

NO SCALE



INSERT (BASKET) CURB INLET PROTECTION DETAIL

NO SCALE

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STATE OF KENTUCKY
 TRAVIS S. HARPER
 37687
 LICENSED PROFESSIONAL ENGINEER

Signature _____ Date 8/29/24

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 ZONE METER PROJECT

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Designed By: MAG
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 Checked By: MAG
 Issue Date: 8/29/24
 Project No: W24100
 Scale: AS SHOWN

MISCELLANEOUS DETAILS IV

Drawing No:
MD4
 Sheet: 31 OF 31

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