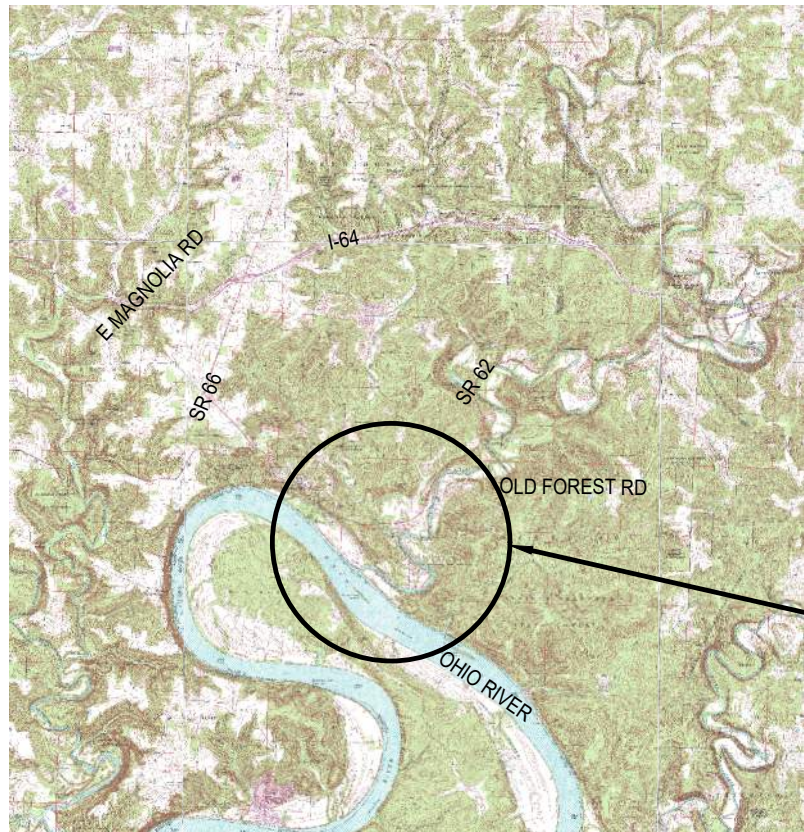


LEAVENWORTH TRANSMISSION MAIN

FOR THE

RAMSEY WATER COMPANY

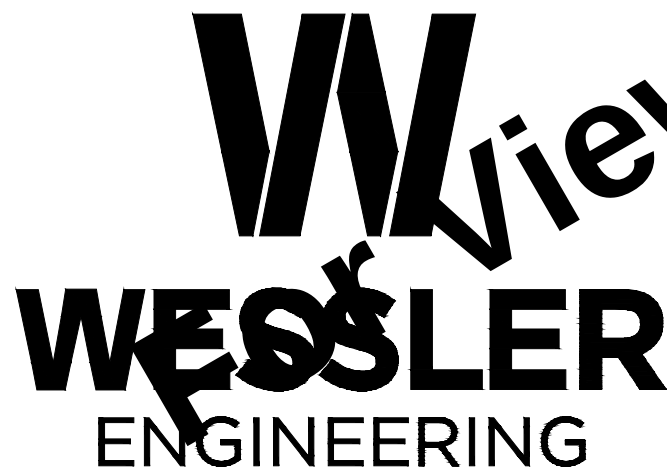
RAMSEY, INDIANA



RAMSEY WATER CO.
VICINITY MAP
SCALE: NONE



STATE LOCATION MAP
SCALE: NONE



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Indianapolis, Indiana 46227
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PROJECT NO. 294225-04-001

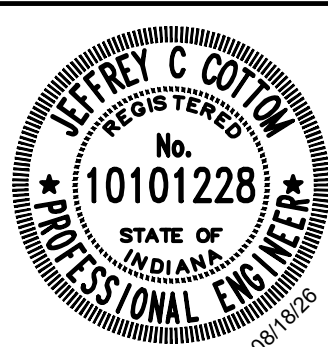
DRAWINGS PREPARED FOR
RAMSEY WATER COMPANY BOARD OF DIRECTORS

KARL BENZ, PRESIDENT
SUZANNE KAISER, VICE PRESIDENT
BRIAN WEHNEMAN, SECRETARY
RICHARD ARBESON, MEMBER
DAVID LETT, MEMBER
TIM SCHILMILLER, MEMBER

RAMSEY WATER COMPANY STAFF

Jason Snyder - CDL A
Danny Turner - Assistant General Manager DSL, WT2, WT3, A-SO, RTCR-2, CDL A
Lew Grasser - DSL, WT2, WT3, A-SO, RTCR-2, CDL A
Jenny Wernert Business Relations Supervisor - WT3, DSL, A-SO
Josh Dixon - O&I Supervisor DSL, RTCR-2, Certified Backflow Tester, CDL A
Adam Glendening O&M Supervisor - DSL, Certified Backflow Tester, CDL A
Josh Brown - Class III, DSL, CDL A
Rob Hopper - DSL
Denise Libert - A-SO
Kevin Cortie - DSL, WT3
Jayme Schreck - AMI, CCC, and Backflow Administrator
Bobby Phillips - DSL, CDL A
Danny Huff- DSL, RTCR-2
Randy Trett- DSL
Audi Findley- DSL, Backflow, WT3, A-SO, CDL A
Mark Brace - General Manager DSL, WT2, WT3, A-SO, RTCR-2, CDL A
Pattie Campbell- Accounting Supervisor
Trista Matheis- Customer Service Representative
Dayton Cannon - Associate Water Distribution Operator
Jill Payton-Melcher- Customer Service Representative
Tim Nelson - Regulatory and Safety Supervisor WT5, WT3, DSL, Class A, Class I,
Certified Backflow Tester, Waterloss Validator

AUGUST 2026



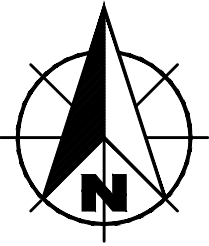
Jeffrey C Cotton

JEFFREY C COTTON
REGISTERED ENGINEER STATE OF INDIANA NO. 10101228

Drawing: X:\Ramsey Water Co\294225-Ramsey_Leavenworth\DWG\Sheets\294225-GS.dwg | Plotter: 08/18/26 @ 10:17:03 | LastSavedBy: traval



2021 IMAGERY FROM INDIANA STATE MAP



HORIZONTAL AND VERTICAL
CONTROL INFORMATION

NOTES:

- 1. A FIELD SURVEY WAS COMPLETED IN OCTOBER 2025.
- 2. BEARINGS, DISTANCES, AND COORDINATES ARE BASED UPON THE INDIANA STATE PLANE, EAST ZONE, NAD83 (2011) EPOCH 2010.00 AND ARE REPORTED IN U.S. SURVEY FEET.
- 3. CONTROL POINTS WERE SET USING GPS.
- 4. ELEVATIONS ARE NAVD88 DATUM AND ARE BASED ON OBSERVATION OF BENCHMARK TT 29 T USG LISTED BELOW.
- 5. A LEVEL LOOP WAS PERFORMED ONSITE FOR THE CONTROL POINTS AND TBMS.

BENCHMARK DESCRIPTION:

NGS BENCHMARK - TT 29 T USG (PID JA0499) - DISC SET IN THE TOP OF A LARGE ROCK OUTCROP, 12 FEET NORTHWEST OF FENCE, 4.3 FEET NORTH OF THE SOUTH EDGE OF THE ROCK OUTCROP, ABOUT 15 FEET ABOVE THE LEVEL OF THE HIGHWAY
EL 458.91 (POINT NO. 99 THIS SURVEY)

NGS BENCHMARK - HAR 4 (PID 1003) - DISC SET IN THE TOP AND AT THE SOUTHWEST END OF THE NORTHEAST CONCRETE WINGWALL OF BRIDGE REMNANTS OVER THE BLUE RIVER.
EL 415.54 (POINT NO. 11 THIS SURVEY)

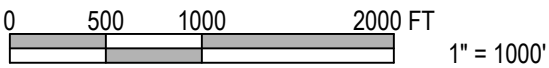
TBM NO. 11 - BOX CUT AT THE SOUTHEAST CORNER OF CONCRETE RIVER BUTMENT
EL 397.81

TBM NO. 12 - BOX CUT AT THE NORTHEAST CORNER OF CONCRETE PAD AT BOAT RAMP
EL 397.27

DRAWING INDEX	
SHEET NO.	DESCRIPTION
GENERAL	
01	TITLE SHEET
02	PROJECT OVERVIEW, DRAWING INDEX, AND SURVEY CONTROL
03	SYMBOLS, ABBREVIATIONS AND GENERAL NOTES
PLAN AND PROFILE SHEETS	
04 - 23	PLAN AND PROFILE - LINE A
DETAILS AND NOTES	
24 - 25	MISCELLANEOUS DETAILS
26 - 28	EROSION CONTROL DETAILS

CONTROL POINTS				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
CP 1	1074528.28	142828.24	442.76	MAGNAIL
CP 2	1074969.76	142932.59	462.87	5/8" REBAR
CP 3	1074718.26	142915.04	437.79	5/8" REBAR
CP 4	1074922.30	143035.28	430.38	RAILROAD SPIKE
CP 5	1074979.50	143305.28	406.79	RAILROAD SPIKE
CP 6	1074887.27	143408.19	383.82	CUT X IN CONCRETE
CP 7	1072732.42	138938.15	455.64	MAGNAIL
CP 8	1072720.09	138763.98	468.40	MAGNAIL
CP 9	1072853.44	140463.30	432.58	MAGNAIL
CP 10	1072909.14	140754.14	432.34	5/8" REBAR

LOCATION AND SCOPE OF WORK PLAN



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SCALE VERIFICATION BAR IS ONE INCH LONG ON ORIGINAL DRAWING 	DRAWN BY	TWL	NO.	DATE	INITIALS	REVISION DESCRIPTIONS
	CHECKED BY	JCC				
	APPROVED BY	KJW				
	ISSUE DATE					
	AUGUST 2026					
	PROJECT NUMBER					
	294225-04-001					



LEAVENWORTH TRANSMISSION MAIN	
RAMSEY WATER COMPANY RAMSEY, INDIANA	
PROJECT OVERVIEW, DRAWING INDEX, AND SURVEY CONTROL	

SHEET NO.	02
TOTAL SHEETS	28

Drawing: X:\Ramsey Water Co\294225-Ramsey_Leavenworth\DWG\Sheets\294225-GS.dwg | Plotter: 08/19/26 @ 10:17:07 | LastSavedBy: travsl

EXISTING FEATURES LEGEND					
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	BENCH MARK		CISTERN		EASEMENT - CONSTRUCTION/PERMANENT
	TEMPORARY BENCH MARK		ELECTRIC METER		LOT BOUNDARY
	SOIL BORING LOCATION		AIR CONDITIONING UNIT		PROPERTY BOUNDARY
	SECTION CORNER		UTILITY RISER (DEFINED BY UTILITY)		RIGHT-OF-WAY - TEMPORARY/PERMANENT
	DRILL HOLE IN CONCRETE/HARRISON MONUMENT		UTILITY PEDESTAL (DEFINED BY UTILITY)		SECTION BOUNDARY
	CONTROL POINT (SET/FOUND)		UTILITY MARKER (DEFINED BY UTILITY)		WETLANDS
	MAGNETIC NAIL (SET/FOUND)		JOINT POWER/TELEPHONE POLE		CONTOUR - INTERMEDIATE ELEVATION
	BOAT SPIKE (SET/FOUND)		LIGHT POLE		CONTOUR - INDEX ELEVATION
	PK NAIL (SET/FOUND)		LIGHT ON POWER POLE		OVERHEAD ELECTRIC
	RAILROAD SPIKE (SET/FOUND)		LIGHT ON JOINT POLE		OVERHEAD CABLE TV
	R/W MARKER - CONCRETE/GRANITE/STONE		POWER POLE		OVERHEAD TELEPHONE
	IRON PIPE/IRON PIN/REBAR (WITH DIAMETER)		TELEPHONE POLE		UNDERGROUND CABLE TV
	BRASS PLUG		LAMP POST		UNDERGROUND ELECTRIC
	CABLE TV MANHOLE		GUY ANCHOR		UNDERGROUND FIBER OPTIC
	ELECTRIC MANHOLE		GUY POLE OR STUB		GAS MAIN
	GAS MANHOLE		CONTROLLER CABINET		DIGESTER GAS
	OTHER MANHOLE		FLAG POLE		PETROLEUM MAIN
	TELEPHONE MANHOLE		POST		UNDERGROUND TELEPHONE
	TELEPHONE VAULT		GROUND LIGHT		WATER MAIN
	TRAFFIC MANHOLE		MAILBOX		WATER SERVICE
	TRAFFIC HANDHOLE		DOUBLE/MULTIPLE MAILBOX		FORCEMAIN
	WATER MANHOLE		MAST ARM POLE		GRAVITY SEWER PIPE
	AIR RELEASE VALVE		TRAFFIC SIGNAL STRAIN POLE		PLANT CHEMICAL LINE
	SANITARY SEWER MANHOLE		SIGNAL LOOP DETECTOR BOX		PLANT DRAIN LINE
	DRAINAGE/STORM SEWER MANHOLE		SIGNAL LOOP DETECTOR LOOP		TOP OF BANK/TOE OF SLOPE
	SANITARY SEWER CLEANOUT		SIGN - SINGLE POST		CENTERLINE OF DITCH/SWALE/STREAM
	SEPTIC TANK		SIGN - DOUBLE POST		FENCE - FIELD
	VALVE VAULT		SIGN - RAILROAD SIGNAL		FENCE - METAL
	BEEHIVE INLET		SIGN - RAILROAD CROSSING		FENCE - WOOD
	CURB INLET		BUSH		GUARDRAIL
	DROP INLET		STUMP		STREAM
	CATCH BASIN		TREE - CONIFEROUS		TREE/BRUSH LINE
	DOWNSPOUT		TREE - DECIDUOUS		
	GAS METER		ROCK OUTCROP		
	GAS VALVE		SATELLITE		
	GAS SERVICE VALVE		SPRINKLER CONTROL VALVE		
	PETROLEUM VALVE		WATER METER		
	PETROLEUM SHUTOFF VALVE		WATER VALVE		
	GAS STATION MONITORING WELL		WATER SERVICE VALVE		
	GAS STATION FILL CAP		WATER WELL		
	NATURAL GAS WELL/STORAGE WELL		WET WELL		
	SPRINKLER HEAD		HYDRANT		
	YARD HYDRANT		PROCESS VALVE		

*NOTE: THIS TABLE IS A LISTING OF TYPICAL EXISTING SYMBOLS AND MAY NOT INCLUDE ALL EXISTING SYMBOLS FOUND WITHIN THIS PLAN SET. IF ANY UNRECOGNIZED ITEMS WILL BE CALLED OUT ON THEIR PLAN SHEETS. IF A QUESTION ARISES ON THE MEANING OF ANY SYMBOL NOT LISTED IN THIS TABLE, PLEASE CONTACT THE ENGINEER FOR CLARIFICATION. THE SYMBOLS ARE NOT TO SCALE.

TABLE OF ABBREVIATIONS			
ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
AFF	ABOVE FINISHED FLOOR	IPS	IRON PIPE SIZE
ALUM	ALUMINUM	ISPC	INDIANA STATE PLANE COORDINATE
APP	APPARENT	LB	POUND(S)
APPROX	APPROXIMATE(LY)	LF	LINEAR FEET
ASPH	ASPHALT	LN	LANE
ASSOC	ASSOCIATES	LS	LIFT STATION
ASTM	AMERICAN SOCIETY OF TESTING MATERIALS	MA EX	MATCH EXISTING
AVE	AVENUE	MJ	MECHANICAL JOINT
AVG	AVERAGE	MATL	MATERIAL
BLDG	BUILDING	MAX	MAXIMUM
BLVD	BOULEVARD	MH	MANHOLE
BM	BENCHMARK	MIN	MINIMUM
CO	CLEANOUT	MISC	MISCELLANEOUS
CI	CAST IRON	MNFR	MANUFACTURER
CL	CENTER LINE	N	NORTHING, NORTH
CMA	COLD MIX ASPHALT	NGS	NATIONAL GEODETIC SURVEY
CMP	CORRUGATED METAL PIPE	NO.	NUMBER
CMU	CONCRETE MASONRY UNIT	OC	ON CENTER
CONC	CONCRETE	OD	OUTSIDE DIAMETER
CONT	CONTINUOUS	PC	POINT OF CURVE (BEGIN CURVE)
CNR	CORNER	POLY	POLYETHYLENE
CP	CONTROL POINT	PI	POINT OF INTERSECTION
CPP	CORRUGATED PLASTIC PIPE	POT	POINT ON TANGENT
CR STN	CRUSHED STONE	PT	POINT OF TANGENT (END OF SLOPE)
CYD	CUBIC YARD	PSI	POUNDS PER SQUARE INCH
D	DEPTH	PT	POINT
DI	DUCTILE IRON	PVC	POLYVINYL CHLORIDE
DI MJ	DUCTILE IRON MECHANICAL JOINT	R	RAILROAD
DBL	DOUBLE	ROW	RIGHT-OF-WAY
DIA	DIAMETER	RCP	REINFORCED CONCRETE PIPE
DIP	DUCTILE IRON PIPE	RD	ROAD
DIPS	DUCTILE IRON PIPE SIZE	S	SOUTH
DR	DRIVE	SR	STATE ROUTE
E	EASTING, EAST	SST	STAINLESS STEEL
EF	EACH FACE	SVA	SERVICE VALVE ASSEMBLY
EW	EACH WAY	SB	SOIL BORING
EA	EACH	SCHED	SCHEDULE
EJ	EAST - EMBANKMENT WORKS	SDR	STANDARD DIMENSION RATIO
EL	ELEVATION	SECT	SECTION
EX	EXISTING	SF	SQUARE FEET
EXP	EXPANSION	SHT	SHEET
FIN	FINISH FLOOR ELEVATION	SPECS	SPECIFICATION(S)
FM	FORCE MAIN	SQ	SQUARE
FND	FOUND	SRF	STATE REVOLVING FUND
FT	FEET	ST	STREET
FTG	FOOTING	STA	STATION
GALV	GALVANIZED	SYD	SQUARE YARD
GPS	GLOBAL POSITIONING SYSTEM	TBM	TEMPORARY BENCHMARK
HMA	HOT MIX ASPHALT	TC	TOP OF CASTING
HDPE	HIGH DENSITY POLYETHYLENE	TYP	TYPICAL
HORIZ	HORIZONTAL	UNO	UNLESS NOTED OTHERWISE
ID	INSIDE DIAMETER	USGS	US GEOLOGICAL SURVEY
IE	INVERT ELEVATION	VERT	VERTICAL
INC	INCORPORATED	VLV	VALVE
INDOT	INDIANA DEPARTMENT OF TRANSPORTATION	W	WIDTH, WEST
INSTR	INSTRUMENT	WSE	WATER SURFACE ELEVATION
INV	INVERT	YR	YEAR

*NOTE: THIS TABLE IS A LISTING OF TYPICAL ABBREVIATIONS AND MAY NOT INCLUDE ALL ABBREVIATIONS FOUND WITHIN THIS PLAN SET. IF A QUESTION ARISES ON THE MEANING OF AN ABBREVIATION NOT LISTED IN THIS TABLE, PLEASE CONTACT THE ENGINEER FOR CLARIFICATION.

UTILITY CONTACTS

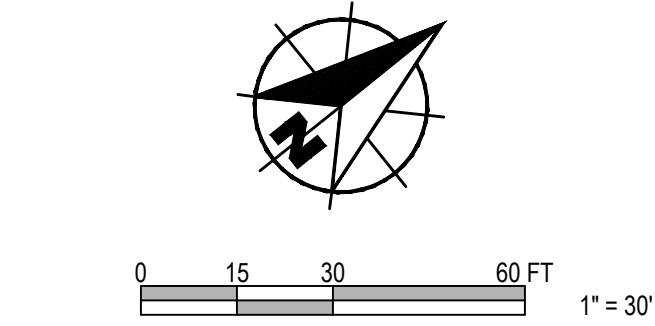
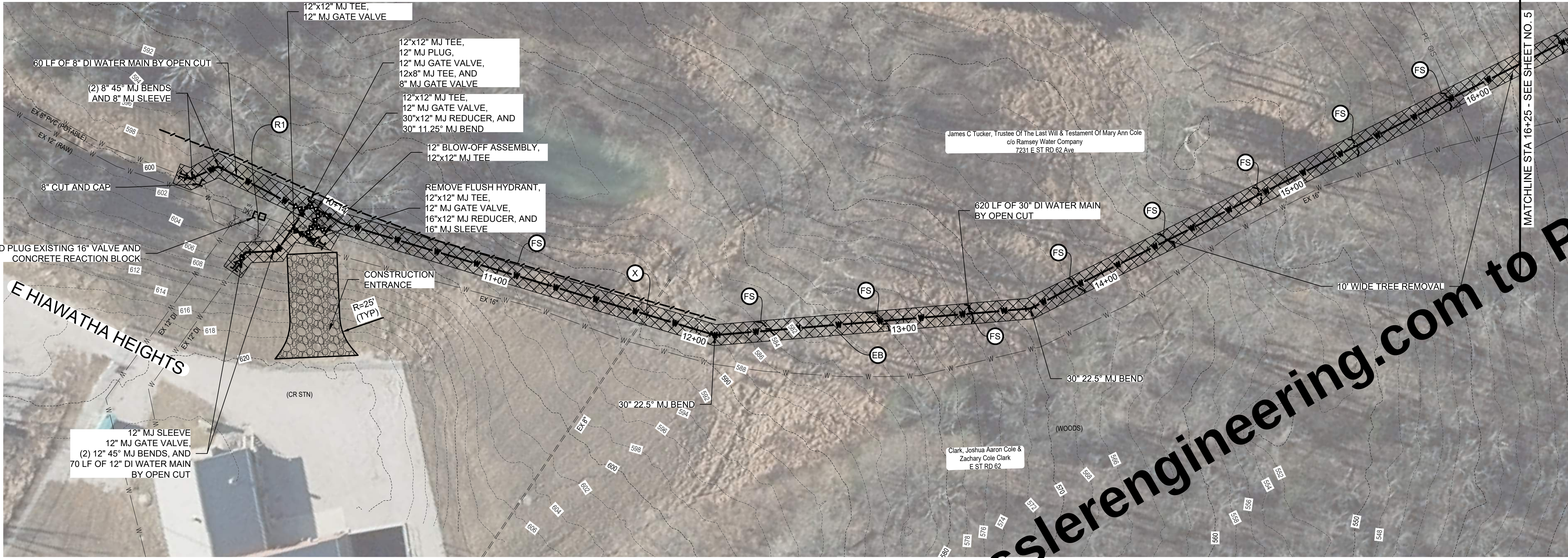
FRONTIER
CORYDON, IN
812-746-8581
ATTN: RICHARD PRINCE

HARRISON REMC
1165 OLD FORREST RD.
CORYDON, IN 47112
812-734-3568
ATTN: JASON FLOCK

SPECTRUM
4701 COMMERCE
CROSSINGS DR.
LOUISVILLE, KY 40229
502-817-5055
ATTN: KEVIN MERCER

- GENERAL NOTES:
1. NOTIFY THE ENGINEER IF ANY CONFLICTING INFORMATION BECOMES APPARENT IN THE CONTRACT DOCUMENTS AS SOON AS POSSIBLE AND PRIOR TO THE COMMENCEMENT OF ANY WORK IN THE VICINITY OF OR RELATIVE TO THE APPARENT CONFLICT SO THAT CLARIFICATION MAY OCCUR PRIOR TO CONSTRUCTION.
 2. ANY ALTERATIONS TO THESE DRAWINGS NOT AUTHORIZED BY WESSLER ENGINEERING AND NOT IN ACCORDANCE WITH THE DRAWINGS, SPECIFICATIONS AND RECORDS ON FILE AT WESSLER ENGINEERING SHALL RELIEVE WESSLER ENGINEERING OF ANY RESPONSIBILITY FOR THE ACCURACY OF THE DRAWINGS.
 3. USE CAUTION DURING THE EXECUTION OF WORK TO PREVENT DAMAGE TO STATE, COUNTY, MUNICIPAL, AND PRIVATE PROPERTY. REPAIR ALL DAMAGES AS A RESULT OF OPERATIONS, INCLUDING DAMAGE TO DRAINAGE STRUCTURES, FIELD TILES, PUBLIC/PRIVATE ROADS, AND LANDSCAPING (INCLUDING FENCING). REPAIR AND REPLACE DAMAGED ITEMS AT NO ADDITIONAL COST TO THE OWNER. PERFORM ALL REPAIR AND REPLACEMENT WORK TO THE SATISFACTION OF THE PERMITTING AGENCY, THE OWNER AND THE ENGINEER.
 4. TAKE CARE TO AVOID DAMAGE TO PAVED AREAS WHICH ARE NOT SPECIFICALLY CALLED OUT FOR REPAIR OR REPLACEMENT. REPAIR, OR REPLACE ALL SUCH PAVEMENTS WHICH ARE DAMAGED BY CONSTRUCTION ACTIVITIES AND CONSTRUCTION TRAFFIC AT NO ADDITIONAL COST TO THE OWNER.
 5. OBTAIN ALL TEMPORARY EASEMENTS REQUIRED FOR THE CONSTRUCTION OF THE PROJECT AT NO ADDITIONAL COST TO THE OWNER.
 6. COMPLY WITH ALL APPLICABLE PERMITS AND REGULATIONS. APPLICABLE PERMITS ISSUED TO THE OWNER WILL BE MADE AVAILABLE TO THE CONTRACTOR. CONTACT ALL APPLICABLE PERMITTING AGENCIES WITHIN THE TIME PERIOD SPECIFIED BY THAT AGENCY PRIOR TO BEGINNING CONSTRUCTION.
 7. ALL EXISTING AND NEW UTILITY INFORMATION, INCLUDING BUT NOT LIMITED TO LOCATION, SIZE AND INVERT ELEVATION, IS SHOWN BASED UPON AVAILABLE INFORMATION. THE ENGINEER DOES NOT GUARANTEE OR ASSUME SUCH INFORMATION TO BE TRUE, ACCURATE, COMPLETE, OR EVEN APPROXIMATE. CONTACT THE INDIANA UNDERGROUND PLANT PROTECTION SERVICE (UPPS) AT LEAST FORTY-EIGHT (48) HOURS IN ADVANCE OF ANY CONSTRUCTION ACTIVITY TO IDENTIFY NON-MEMBER UTILITIES DIRECTLY.
 8. DETERMINE WHICH UTILITIES MAY CONFLICT WITH THE WORK AND VERIFY THEIR LOCATION, SIZE AND ELEVATION PRIOR TO CONSTRUCTION AND DETERMINE IF THERE ARE ANY DISCREPANCIES OR CONFLICTS. IF ANY DISCREPANCIES OR CONFLICTS ARE DISCOVERED, NOTIFY THE ENGINEER AS SOON AS POSSIBLE.
 9. EXISTING UTILITY SERVICE LINES FOR INDIVIDUAL CUSTOMERS MAY NOT BE SHOWN ON THE DRAWINGS. ASSUME THAT UNDERGROUND SERVICE LINES FOR ALL UTILITIES EXIST TO EACH PROPERTY ALONG THE ROUTE OF THE PLANNED IMPROVEMENTS.
 10. COORDINATE ALL WORK WITH THE RESPECTIVE UTILITIES. SCHEDULE WORK ACCORDINGLY, AND NOTIFY ALL UTILITIES A MINIMUM OF TWO (2) WEEKS IN ADVANCE OF ANY CONSTRUCTION ACTIVITY.
 11. COORDINATE ALL PLANNED UTILITY SERVICE INTERRUPTIONS WITH THE RESPECTIVE UTILITIES AND THE UTILITIES AFFECTED CUSTOMERS. SERVICE INTERRUPTIONS SHOULD NOT LAST MORE THAN FOUR (4) HOURS. GIVE WRITTEN NOTICE TO ALL AFFECTED UTILITY CUSTOMERS AND PROPERTY OWNERS AT LEAST TWENTY-FOUR (24) HOURS BUT NOT MORE THAN SEVENTY-TWO (72) HOURS PRIOR TO ANY PLANNED INTERRUPTION OF UTILITY SERVICE.
 12. USE CAUTION DURING THE EXECUTION OF WORK TO PREVENT DAMAGE TO EXISTING UTILITIES. REPAIR OR REPLACE ALL PUBLIC AND PRIVATE FACILITIES DAMAGED AS A RESULT OF CONSTRUCTION OPERATIONS. BRACE AND PROTECT ALL UTILITY POLES AND EXISTING STRUCTURES ADJACENT TO NEW EXCAVATIONS. UTILITY POLE BRACING SHALL BE AS DIRECTED BY THE GOVERNING UTILITY.
 13. MAINTAIN EXISTING STORMWATER DRAINAGE FOR THE ENTIRE DURATION OF THE PROJECT.
 14. DO NOT DISTURB EXISTING MANHOLES OR INLETS, UNLESS NOTED OTHERWISE.
 15. ALL EQUIPMENT, APPURTENANCES AND PIPING REMOVED AS PART OF THE DEMOLITION SHALL FIRST BE OFFERED TO THE OWNER FOR SALVAGE. DELIVER SALVAGED ITEMS SELECTED BY OWNER TO A LOCATION DESIGNATED BY THE OWNER OR ENGINEER. IN THE EVENT THE OWNER DOES NOT ELECT TO KEEP THE REMOVED ITEMS, REMOVE SUCH ITEMS FROM THE SITE AND DISPOSE OF AT A LOCATION APPROVED FOR SUCH DISPOSAL AT THE CONTRACTOR'S EXPENSE.
 17. COORDINATE STAGING AREA LOCATIONS WITH THE OWNER.
 18. ALL CONSTRUCTION TRAFFIC SHALL USE MAJOR ROADS. NO CONSTRUCTION TRAFFIC SHALL USE LOCAL STREETS FOR INDIRECT ACCESS.
 19. TO CONTROL DUST, REMOVE SOIL FROM STREETS USED BY CONSTRUCTION TRAFFIC DAILY, VACUUM AND WATER AS NECESSARY AND/OR AS DIRECTED BY THE OWNER.
 20. ALL EXISTING PIPING MAY NOT BE SHOWN. REFERENCE EXISTING RECORD DRAWINGS ON FILE WITH THE OWNER AND WESSLER ENGINEERING FOR ADDITIONAL INFORMATION OF EXISTING PIPING AND CONDUIT THROUGHOUT THE PLANT SITE.
 21. THE WORK SHOWN ON THESE DRAWINGS IS OCCURRING ON A PLANT SITE IN WHICH BURIED ELECTRICAL CONDUIT AND SMALL PIPING MAY EXIST THROUGHOUT AND IN THE VICINITY OF THE PROJECT AND MAY NOT BE SHOWN ON THESE DRAWINGS. EXPECT TO ENCOUNTER BURIED ELECTRICAL AND COMMUNICATIONS WIRING, WITH OR WITHOUT CONDUIT, SMALL PIPING, AND FIELD TILE WHILE DIGGING ON THIS SITE.
 22. NEW PIPING CARRYING LIQUIDS SHALL HAVE MINIMUM COVER AS DEFINED IN SPEC 02660, UNLESS SPECIFIC ELEVATIONS ON THE DRAWINGS INDICATE OTHERWISE.
 23. INSPECT THE SITE PRIOR TO BIDDING TO UNDERSTAND THE EXTENT OF THE DEMOLITION WORK INVOLVED AND ADJUST BID ACCORDINGLY.
 24. COMPLETELY REMOVE UNDERGROUND PIPING THAT HAS PREVIOUSLY BEEN OR WILL BE TAKEN OUT OF SERVICE, IN CONFLICT WITH THE NEW WORK. UNLESS OTHERWISE NOTED, ABANDON IN PLACE ALL UNDERGROUND PIPING NOT IN CONFLICT WITH THE NEW WORK. DO NOT LEAVE ABANDONED PIPING LIVE. SEE SPECIFICATION SECTION 02050 FOR DEMOLITION PROCEDURES. SEE SPECIFICATION SECTION 01550 FOR PLANT OPERATIONS DURING CONSTRUCTION FOR COORDINATION OF DEMOLITION WORK AND NEW CONSTRUCTION.

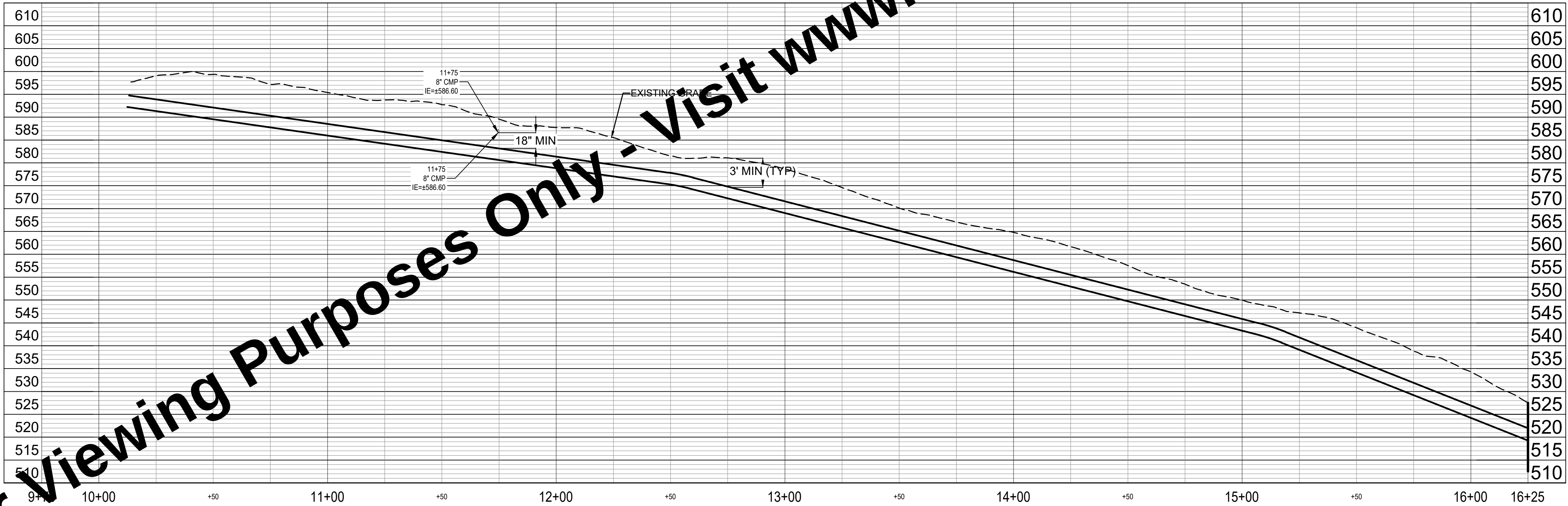
SCALE VERIFICATION BAR IS ONE INCH LONG ON ORIGINAL DRAWING	DRAWN BY	TWL	NO.	DATE	INITIALS	REVISION DESCRIPTIONS	 W WESSLER ENGINEERING More than a Project™	LEAVENWORTH TRANSMISSION MAIN		
	CHECKED BY	JCC						RAMSEY WATER COMPANY RAMSEY, INDIANA		
	APPROVED BY	KJW						SYMBOLS, ABBREVIATIONS AND GENERAL NOTES		
	ISSUE DATE									
	AUGUST 2026									
	PROJECT NUMBER									
	294225-04-001							Jeff C. Cotton		



- KEYED NOTES**
- D AVEMENT (LOCAL STREETS) REPAIR AND FULL DEPTH CLASS I BACKFILL
 - D2 ASPHALT DRIVE REPAIR AND FULL DEPTH CLASS I BACKFILL
 - N CRUSHED STONE SURFACE REPAIR AND FULL DEPTH CLASS I BACKFILL
 - PD APPROXIMATE LOCATION OF DRILL PIT
 - PR APPROXIMATE LOCATION OF RECEIVING PIT
 - SX WATER SERVICE TO THIS PROPERTY IS OUTSIDE PROJECT LIMITS
 - X POTENTIAL UTILITY CONFLICT FIELD VERIFY PRIOR TO CONSTRUCTION.
 - EB EROSION CONTROL BLANKET
 - FS SILT FENCE/FILTER TUBE
 - R1 REMOVE EXISTING VALVE BOX AND LID, CLOSE EXISTING VALVE

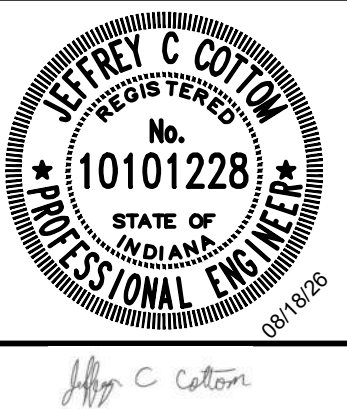
- LEGEND**
- SILT FENCE/FILTER TUBE
 - CONSTRUCTION ENTRANCE
 - EROSION CONTROL BLANKET

PLAN - LINE A
SCALE: 1"=30'



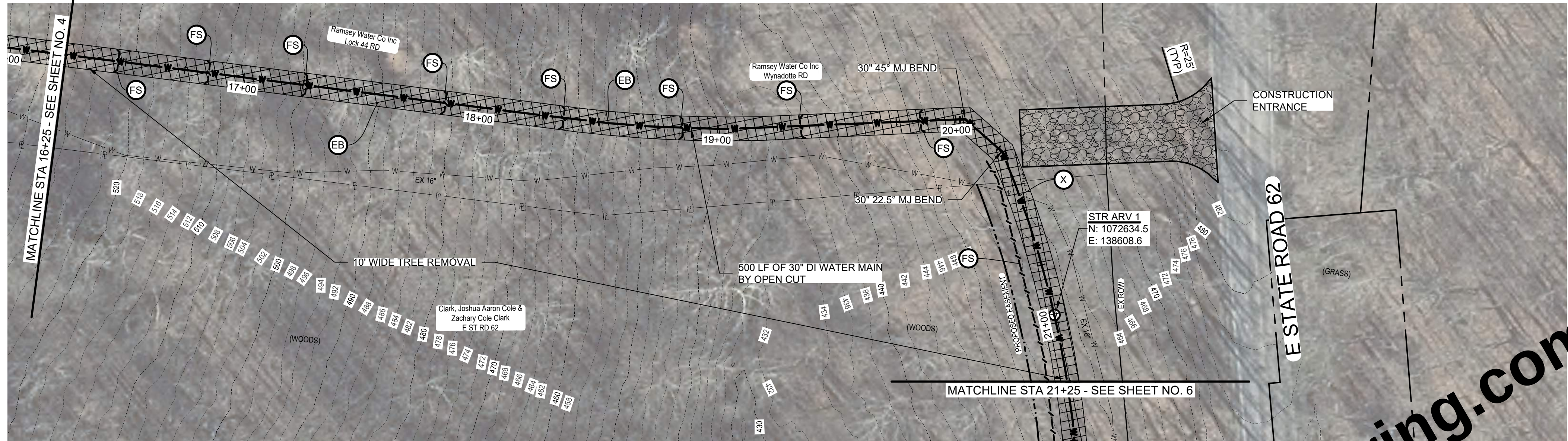
PROFILE - LINE A
HORIZ SCALE: 1" = 30'
VERT SCALE: 1" = 15'

SCALE VERIFICATION BAR IS ONE INCH LONG ON ORIGINAL DRAWING 	DRAWN BY	TWL	NO.	DATE	INITIALS	REVISION DESCRIPTIONS
	CHECKED BY	JCC				
	APPROVED BY	KJW				
	ISSUE DATE					
	AUGUST 2026					
	PROJECT NUMBER	294225-04-001				



LEAVENWORTH TRANSMISSION MAIN
RAMSEY WATER COMPANY
RAMSEY, INDIANA
PLAN AND PROFILE - LINE A

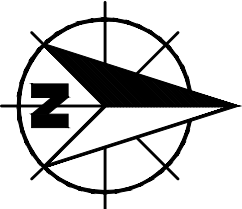
SHEET NO.
04
TOTAL SHEETS
28



PLAN - LINE A
SCALE: 1"=30'



PROFILE - LINE A
HORIZ SCALE: 1" = 30'
VERT SCALE: 1" = 15'



0 15 30 60 FT
1" = 30'

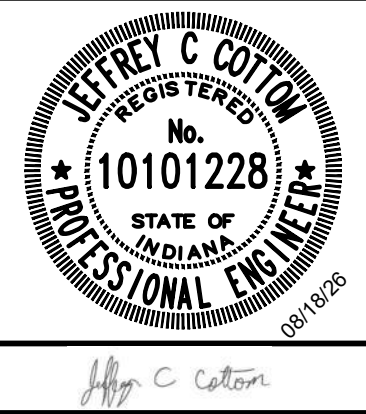
KEYED NOTES

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- FS SILT FENCE/FILTER TUBE

LEGEND

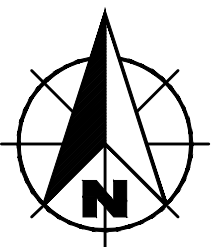
- SILT FENCE/FILTER TUBE
- CONSTRUCTION ENTRANCE
- EROSION CONTROL BLANKET

SCALE VERIFICATION BAR IS ONE INCH LONG ON ORIGINAL DRAWING 	DRAWN BY	TWL	NO.	DATE	INITIALS	REVISION DESCRIPTIONS
	CHECKED BY	JCC				
	APPROVED BY	KJW				
	ISSUE DATE					
	AUGUST 2026					
	PROJECT NUMBER	294225-04-001				



LEAVENWORTH TRANSMISSION MAIN	
RAMSEY WATER COMPANY RAMSEY, INDIANA	
PLAN AND PROFILE - LINE A	

SHEET NO.	05
TOTAL SHEETS	28



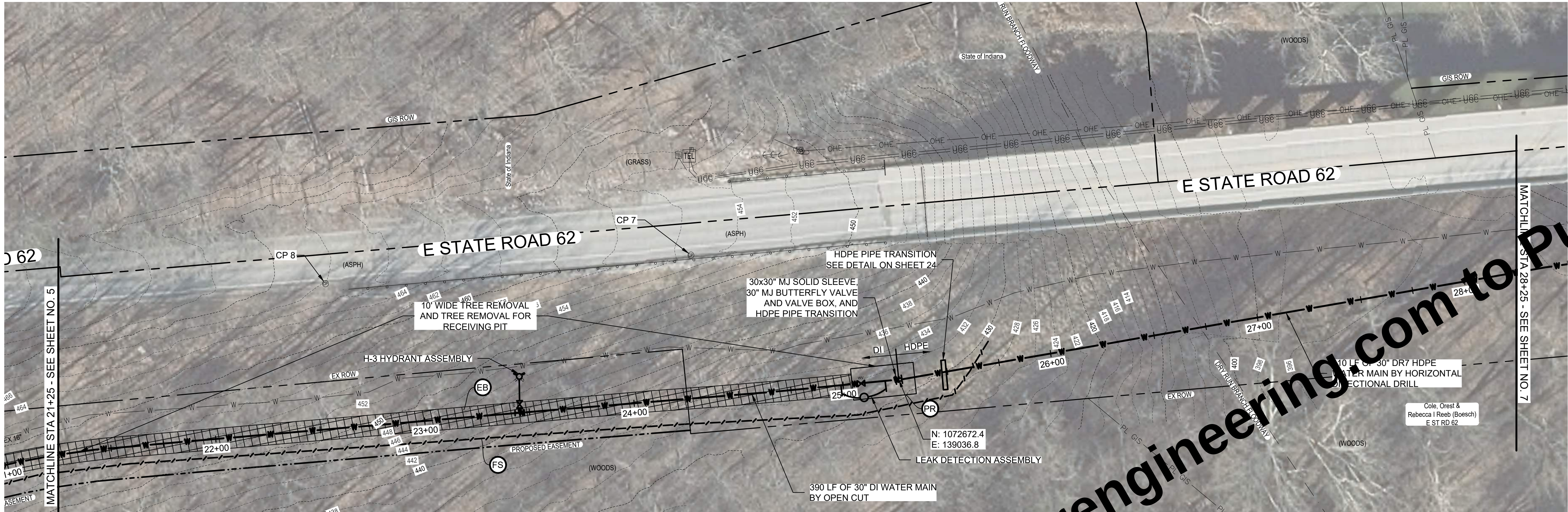
0 15 30 60 FT
1" = 30'

KEYED NOTES

- AVEMENT (LOCAL STREETS) REPAIR AND FULL DEPTH CLASS I BACKFILL
- D2 ASPHALT DRIVE REPAIR AND FULL DEPTH CLASS I BACKFILL
- N CRUSHED STONE SURFACE REPAIR AND FULL DEPTH CLASS I BACKFILL
- PD APPROXIMATE LOCATION OF DRILL PIT
- PR APPROXIMATE LOCATION OF RECEIVING PIT
- SX WATER SERVICE TO THIS PROPERTY IS OUTSIDE PROJECT LIMITS
- X POTENTIAL UTILITY CONFLICT FIELD VERIFY PRIOR TO CONSTRUCTION.
- EB EROSION CONTROL BLANKET
- FS SILT FENCE/FILTER TUBE

LEGEND

- SILT FENCE/FILTER TUBE
- CONSTRUCTION ENTRANCE
- EROSION CONTROL BLANKET



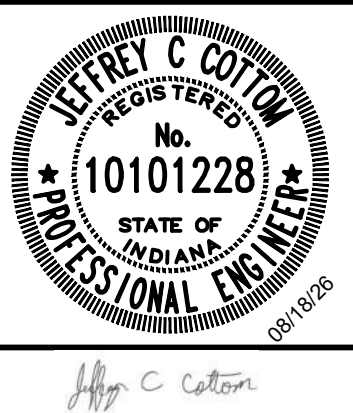
PLAN - LINE A
SCALE: 1"=30'



PROFILE - LINE A
HORIZ SCALE: 1" = 30'
VERT SCALE: 1" = 15'

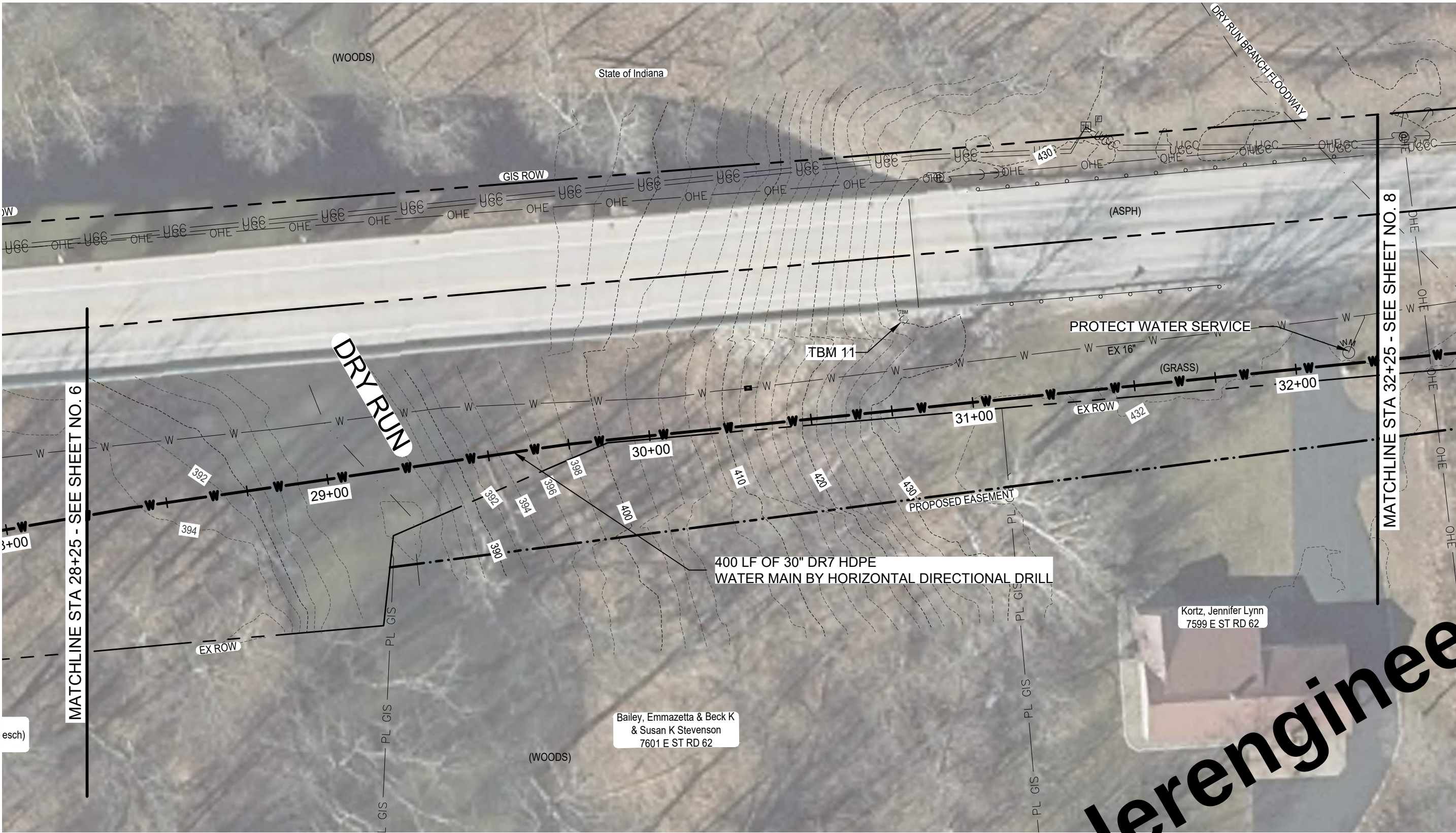
For Viewing Purposes Only - Visit www.wesslerengineering.com

SCALE VERIFICATION BAR IS ONE INCH LONG ON ORIGINAL DRAWING 	DRAWN BY	TWL	NO.	DATE	INITIALS	REVISION DESCRIPTIONS
	CHECKED BY	JCC				
	APPROVED BY	KJW				
	ISSUE DATE					
	AUGUST 2026					
	PROJECT NUMBER	294225-04-001				

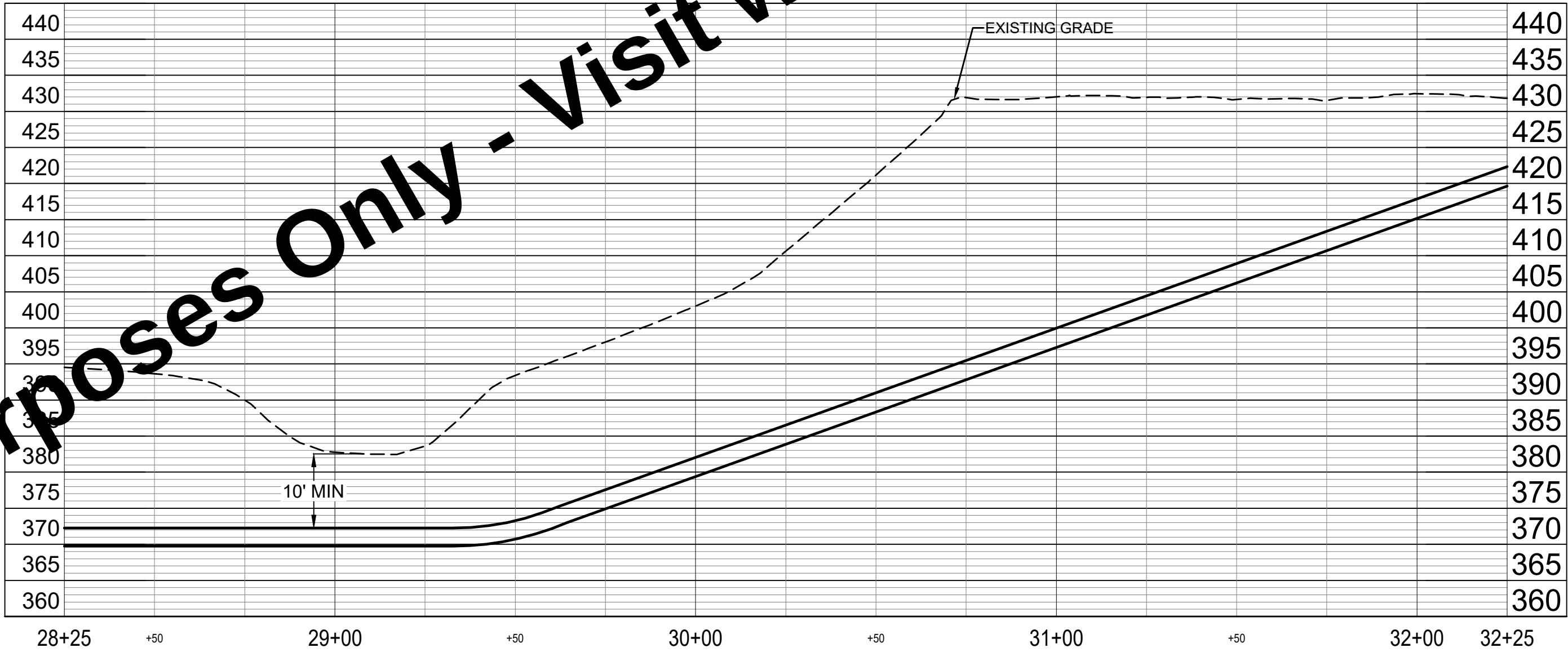


LEAVENWORTH TRANSMISSION MAIN
RAMSEY WATER COMPANY
RAMSEY, INDIANA
PLAN AND PROFILE - LINE A

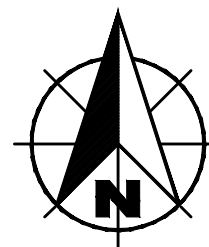
SHEET NO.	06
TOTAL SHEETS	28



PLAN - LINE A
SCALE: 1"=30'



PROFILE - LINE A
HORIZ SCALE: 1" = 30'
VERT SCALE: 1" = 15'



0 15 30 60 FT
1" = 30'

KEYED NOTES

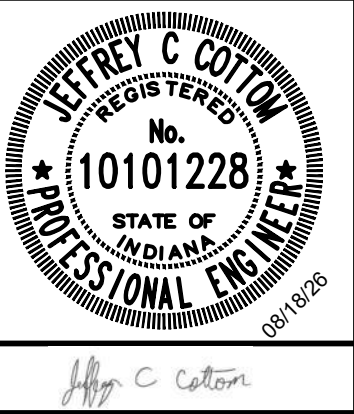
- D AVEMENT (LOCAL STREETS) REPAIR AND FULL DEPTH CLASS I BACKFILL
- D2 ASPHALT DRIVE REPAIR AND FULL DEPTH CLASS I BACKFILL
- N CRUSHED STONE SURFACE REPAIR AND FULL DEPTH CLASS I BACKFILL
- PD APPROXIMATE LOCATION OF DRILL PIT
- PR APPROXIMATE LOCATION OF RECEIVING PIT
- SX WATER SERVICE TO THIS PROPERTY IS OUTSIDE PROJECT LIMITS
- X POTENTIAL UTILITY CONFLICT FIELD VERIFY PRIOR TO CONSTRUCTION.
- EB EROSION CONTROL BLANKET
- FS SILT FENCE/FILTER TUBE

LEGEND

- SILT FENCE/FILTER TUBE
- CONSTRUCTION ENTRANCE
- EROSION CONTROL BLANKET

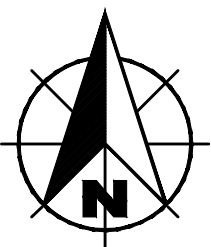
Drawing: X:\Ramsey Water Co\294225 Ramsey Leavenworth\DWG\Sheets\294225-PP.dwg | Layout: 03 (2) | Plotted: 08/18/26 @ 10:17:40 | LastSavedBy: levisd

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	CHECKED BY	JCC				
	APPROVED BY	KJW				
	ISSUE DATE					
	AUGUST 2026					
	PROJECT NUMBER	294225-04-001				



LEAVENWORTH TRANSMISSION MAIN	
RAMSEY WATER COMPANY RAMSEY, INDIANA	
PLAN AND PROFILE - LINE A	

SHEET NO.	07
TOTAL SHEETS	28



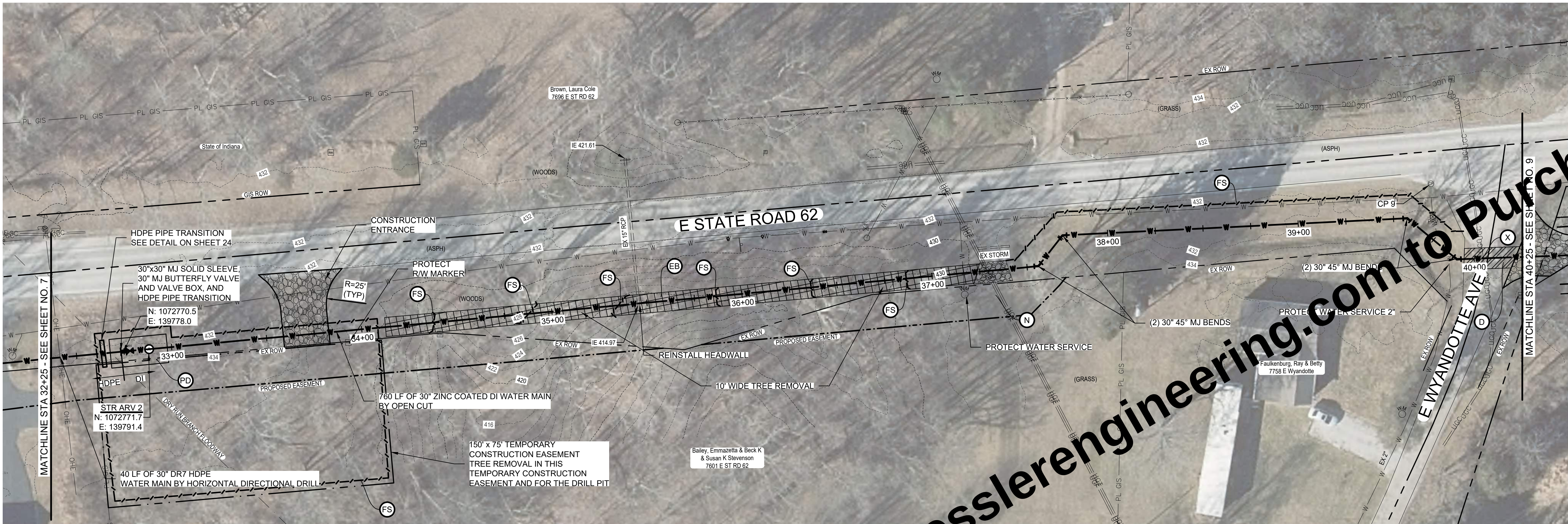
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1" = 30'

KEYED NOTES

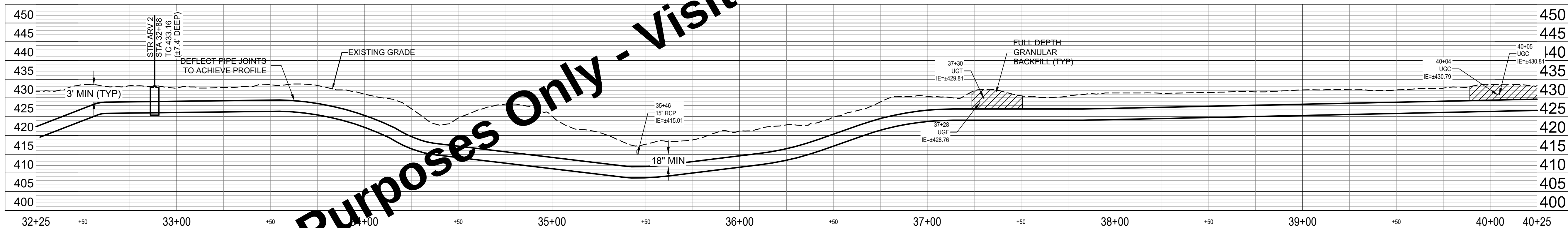
- AVEMENT (LOCAL STREETS) REPAIR AND FULL DEPTH CLASS I BACKFILL
- D2 ASPHALT DRIVE REPAIR AND FULL DEPTH CLASS I BACKFILL
- N CRUSHED STONE SURFACE REPAIR AND FULL DEPTH CLASS I BACKFILL
- PD APPROXIMATE LOCATION OF DRILL PIT
- PR APPROXIMATE LOCATION OF RECEIVING PIT
- SX WATER SERVICE TO THIS PROPERTY IS OUTSIDE PROJECT LIMITS
- X POTENTIAL UTILITY CONFLICT FIELD VERIFY PRIOR TO CONSTRUCTION.
- EB EROSION CONTROL BLANKET
- FS SILT FENCE/FILTER TUBE

LEGEND

- SILT FENCE/FILTER TUBE
- CONSTRUCTION ENTRANCE
- EROSION CONTROL BLANKET



PLAN - LINE A
SCALE: 1"=30'



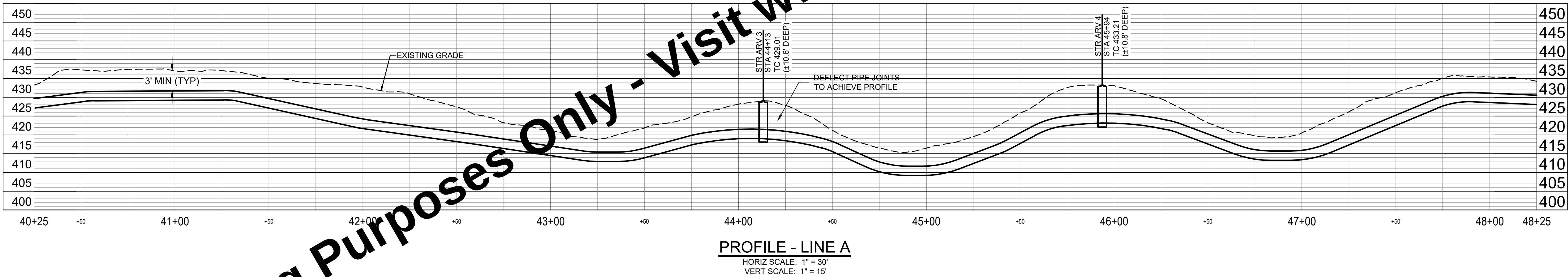
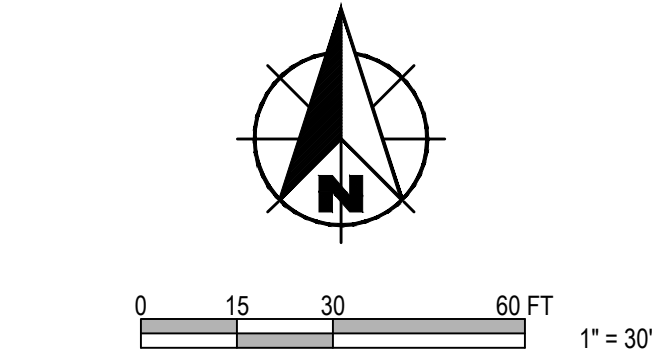
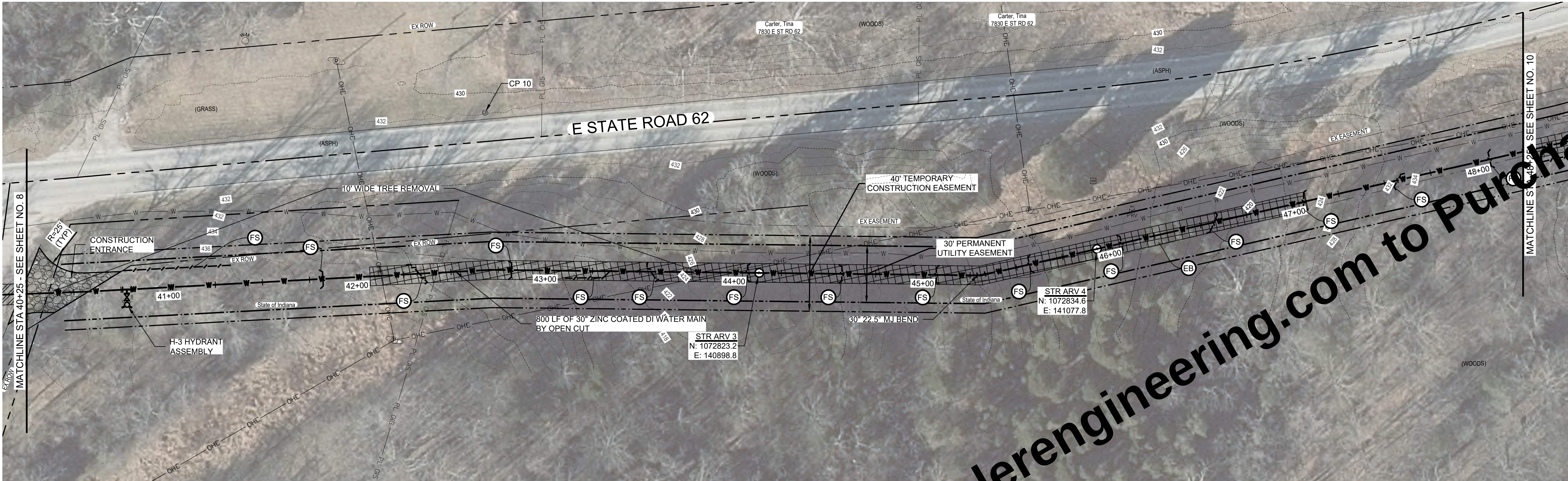
PROFILE - LINE A
HORIZ SCALE: 1" = 30'
VERT SCALE: 1" = 15'

SCALE VERIFICATION	DRAWN BY	TWL	NO.	DATE	INITIALS	REVISION DESCRIPTIONS
	CHECKED BY	JCC				
BAR IS ONE INCH LONG ON ORIGINAL DRAWING	APPROVED BY	KJW				
	ISSUE DATE	AUGUST 2026				
	PROJECT NUMBER	294225-04-001				



LEAVENWORTH TRANSMISSION MAIN
RAMSEY WATER COMPANY
RAMSEY, INDIANA
PLAN AND PROFILE - LINE A

SHEET NO.
08
TOTAL SHEETS
28

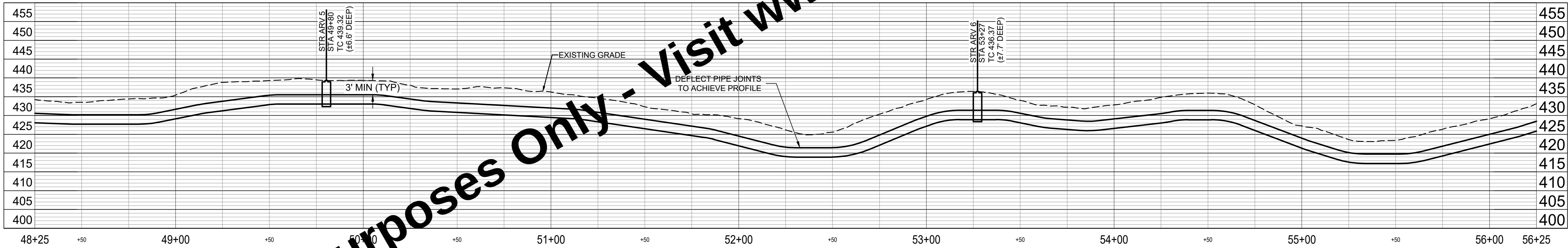
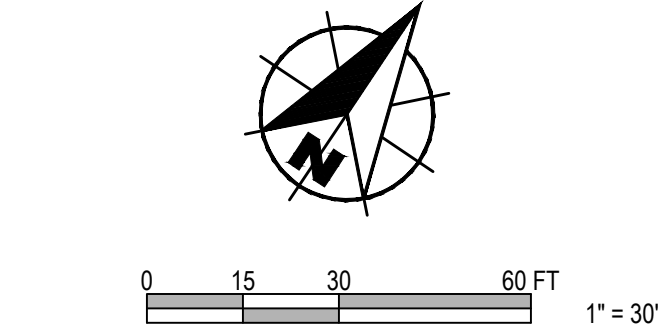
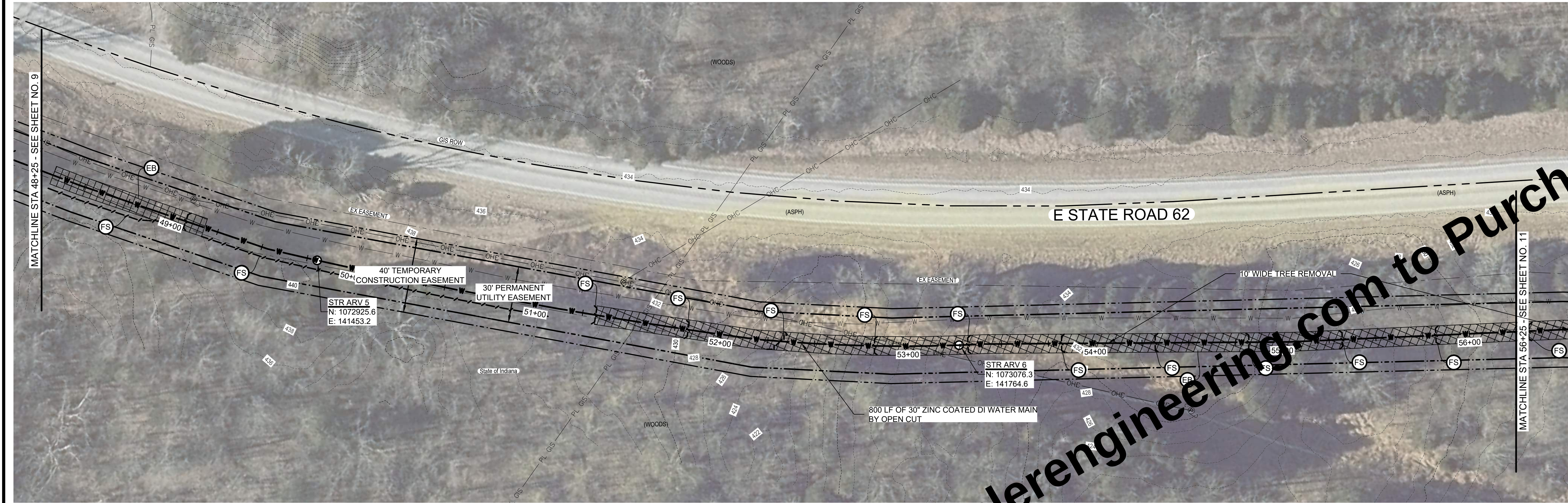


SCALE VERIFICATION	DRAWN BY	TWL	NO.	DATE	INITIALS	REVISION DESCRIPTIONS
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	ISSUE DATE					
	AUGUST 2026					
	PROJECT NUMBER					
		294225-04-001				

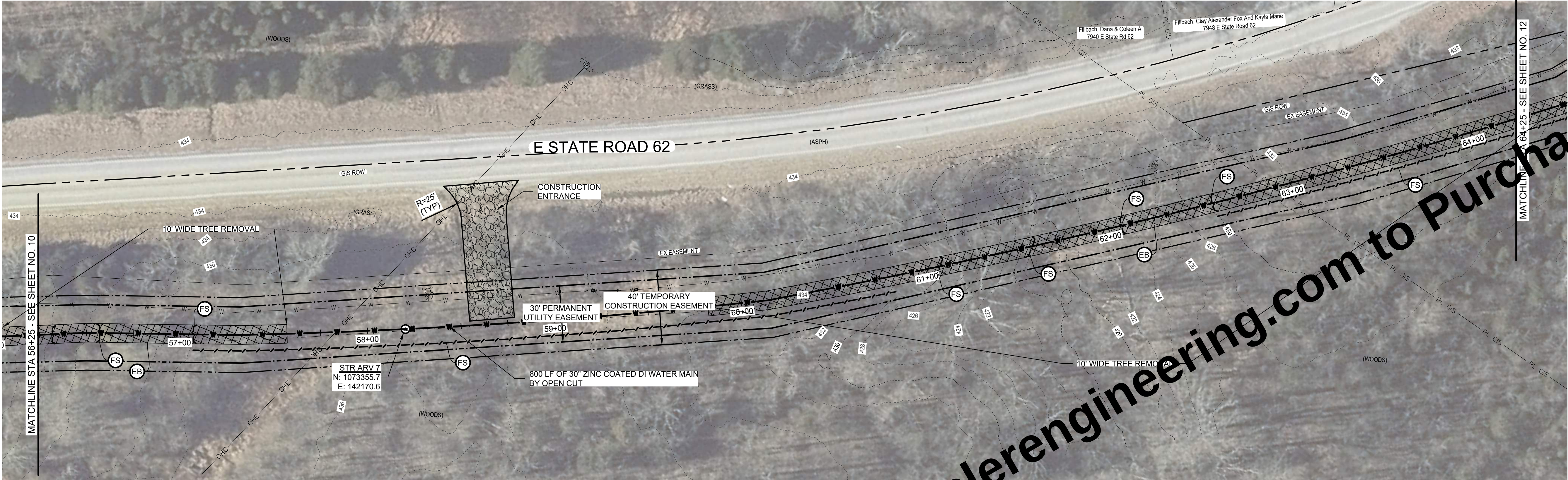


LEAVENWORTH TRANSMISSION MAIN
RAMSEY WATER COMPANY
RAMSEY, INDIANA
PLAN AND PROFILE - LINE A

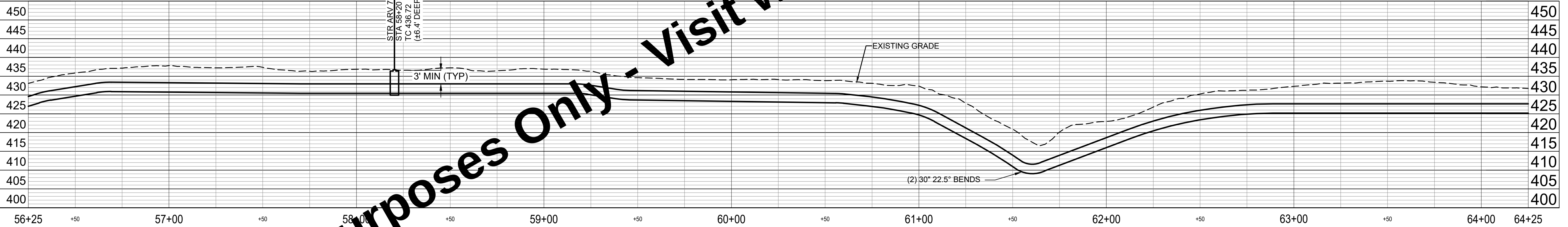
SHEET NO.
09
TOTAL SHEETS
28



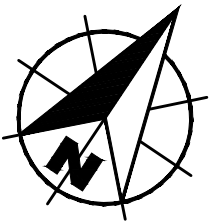
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	BAR IS ONE INCH LONG ON ORIGINAL DRAWING 	CHECKED BY	JCC							RAMSEY WATER COMPANY RAMSEY, INDIANA		
		APPROVED BY	KJW									
		ISSUE DATE										
		AUGUST 2026										
		PROJECT NUMBER										
		294225-04-001										
PLAN AND PROFILE - LINE A												



PLAN - LINE A
SCALE: 1"=30'



PROFILE - LINE A
HORIZ SCALE: 1" = 30'
VERT SCALE: 1" = 15'



0 15 30 60 FT
1" = 30'

KEYED NOTES

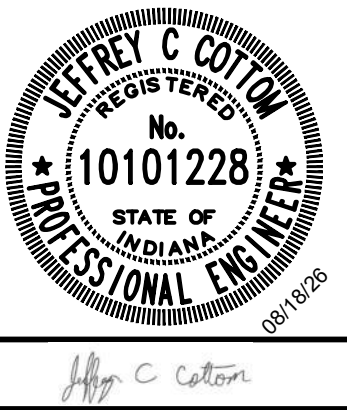
- D AVEMENT (LOCAL STREETS) REPAIR AND FULL DEPTH CLASS I BACKFILL
- D2 ASPHALT DRIVE REPAIR AND FULL DEPTH CLASS I BACKFILL
- N CRUSHED STONE SURFACE REPAIR AND FULL DEPTH CLASS I BACKFILL
- PD APPROXIMATE LOCATION OF DRILL PIT
- PR APPROXIMATE LOCATION OF RECEIVING PIT
- SX WATER SERVICE TO THIS PROPERTY IS OUTSIDE PROJECT LIMITS
- X POTENTIAL UTILITY CONFLICT FIELD VERIFY PRIOR TO CONSTRUCTION.
- EB EROSION CONTROL BLANKET
- FS SILT FENCE/FILTER TUBE

LEGEND

- SILT FENCE/FILTER TUBE
- CONSTRUCTION ENTRANCE
- EROSION CONTROL BLANKET

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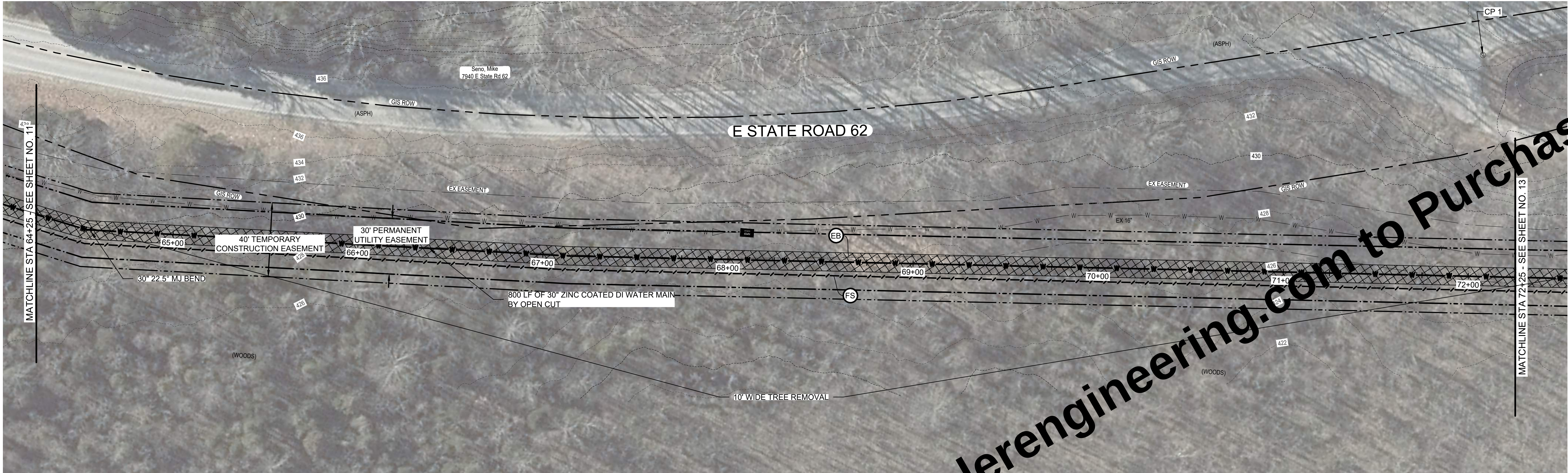
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	ISSUE DATE					
	AUGUST 2026					
	PROJECT NUMBER	294225-04-001				



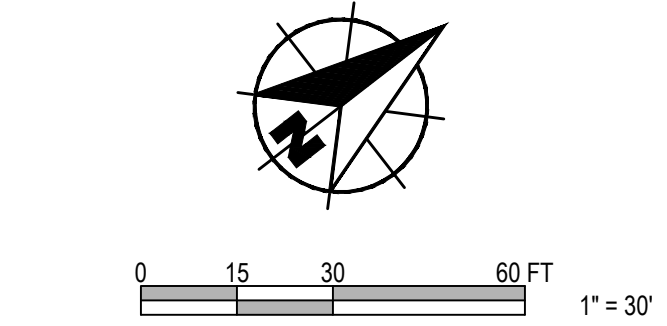
LEAVENWORTH TRANSMISSION MAIN
RAMSEY WATER COMPANY
RAMSEY, INDIANA

PLAN AND PROFILE - LINE A

SHEET NO.
11
TOTAL SHEETS
28



PLAN - LINE A
SCALE: 1"=30'

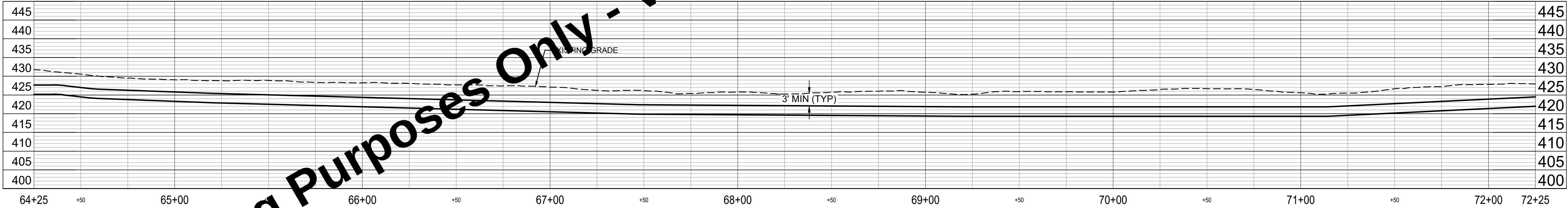


- KEYED NOTES**
- AVEMENT (LOCAL STREETS) REPAIR AND FULL DEPTH CLASS I BACKFILL
 - D2 ASPHALT DRIVE REPAIR AND FULL DEPTH CLASS I BACKFILL
 - N CRUSHED STONE SURFACE REPAIR AND FULL DEPTH CLASS I BACKFILL
 - PD APPROXIMATE LOCATION OF DRILL PIT
 - PR APPROXIMATE LOCATION OF RECEIVING PIT
 - SX WATER SERVICE TO THIS PROPERTY IS OUTSIDE PROJECT LIMITS
 - X POTENTIAL UTILITY CONFLICT FIELD VERIFY PRIOR TO CONSTRUCTION.
 - EB EROSION CONTROL BLANKET
 - FS SILT FENCE/FILTER TUBE

LEGEND

- SILT FENCE/FILTER TUBE
- CONSTRUCTION ENTRANCE
- EROSION CONTROL BLANKET

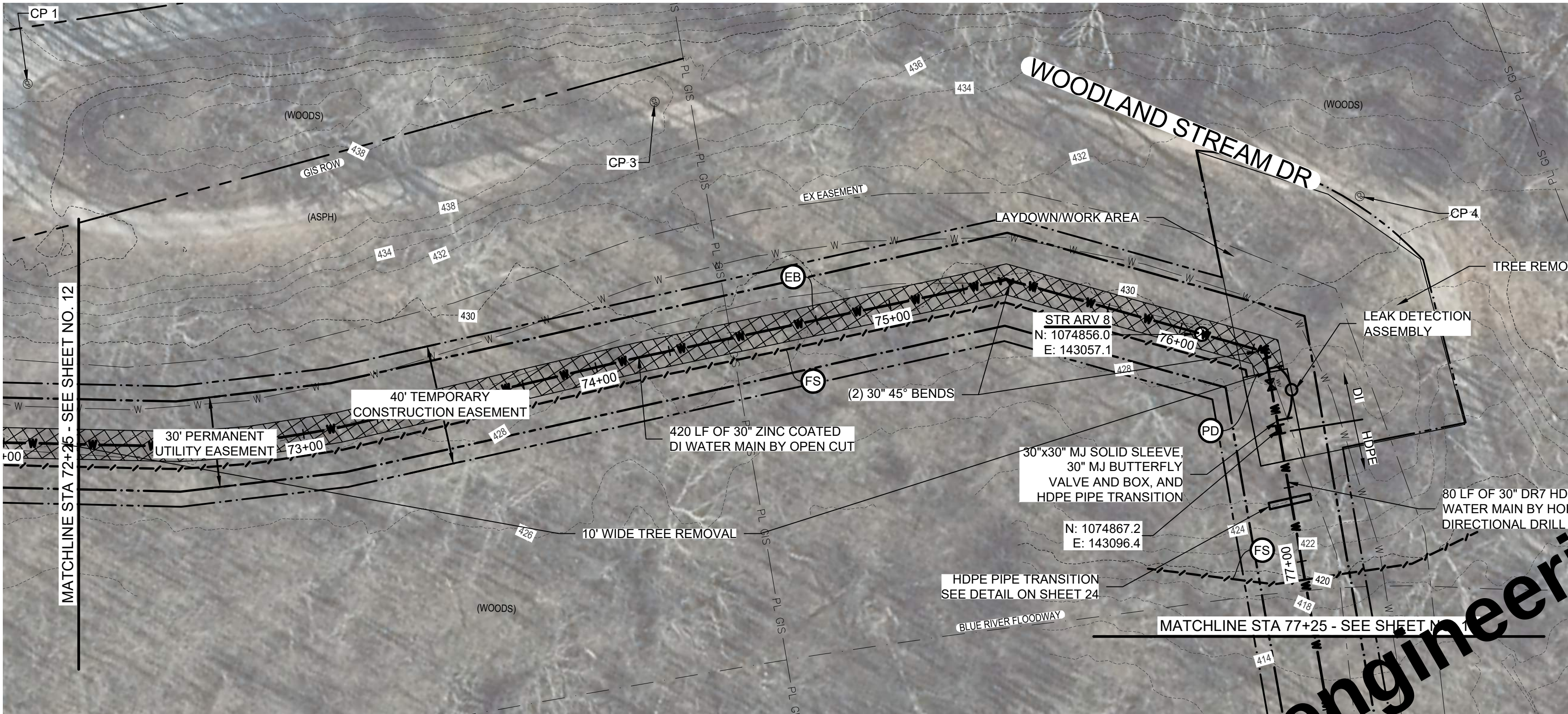
NOTE:
1. USE EXISTING ROAD WOODLAND STREAM DRIVE AS CONSTRUCTION ENTRANCE.



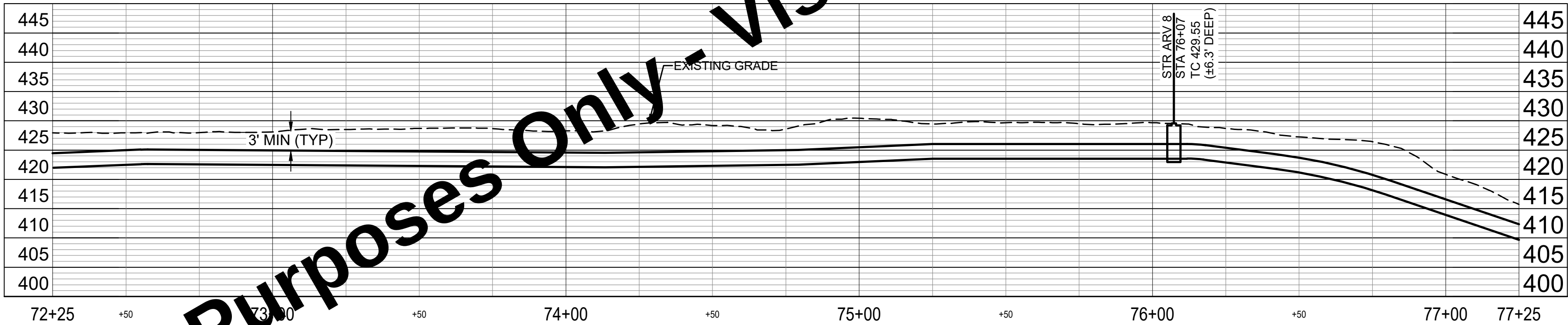
PROFILE - LINE A
HORIZ SCALE: 1" = 30'
VERT SCALE: 1" = 15'

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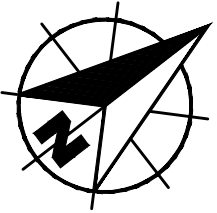
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	BAR IS ONE INCH LONG ON ORIGINAL DRAWING 	CHECKED BY	JCC								RAMSEY WATER COMPANY			
		APPROVED BY	KJW								RAMSEY, INDIANA			
		ISSUE DATE												
		AUGUST 2026												
		PROJECT NUMBER												
		294225-04-001												



PLAN - LINE A
SCALE: 1"=30'



PROFILE - LINE A
HORIZ SCALE: 1" = 30'
VERT SCALE: 1" = 15'



0 15 30 60 FT
1" = 30'

KEYED NOTES

- AVEMENT (LOCAL STREETS) REPAIR AND FULL DEPTH CLASS I BACKFILL
- D2 ASPHALT DRIVE REPAIR AND FULL DEPTH CLASS I BACKFILL
- N CRUSHED STONE SURFACE REPAIR AND FULL DEPTH CLASS I BACKFILL
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- X POTENTIAL UTILITY CONFLICT FIELD VERIFY PRIOR TO CONSTRUCTION.
- EB EROSION CONTROL BLANKET
- FS SILT FENCE/FILTER TUBE

LEGEND

- SILT FENCE/FILTER TUBE
- CONSTRUCTION ENTRANCE
- EROSION CONTROL BLANKET

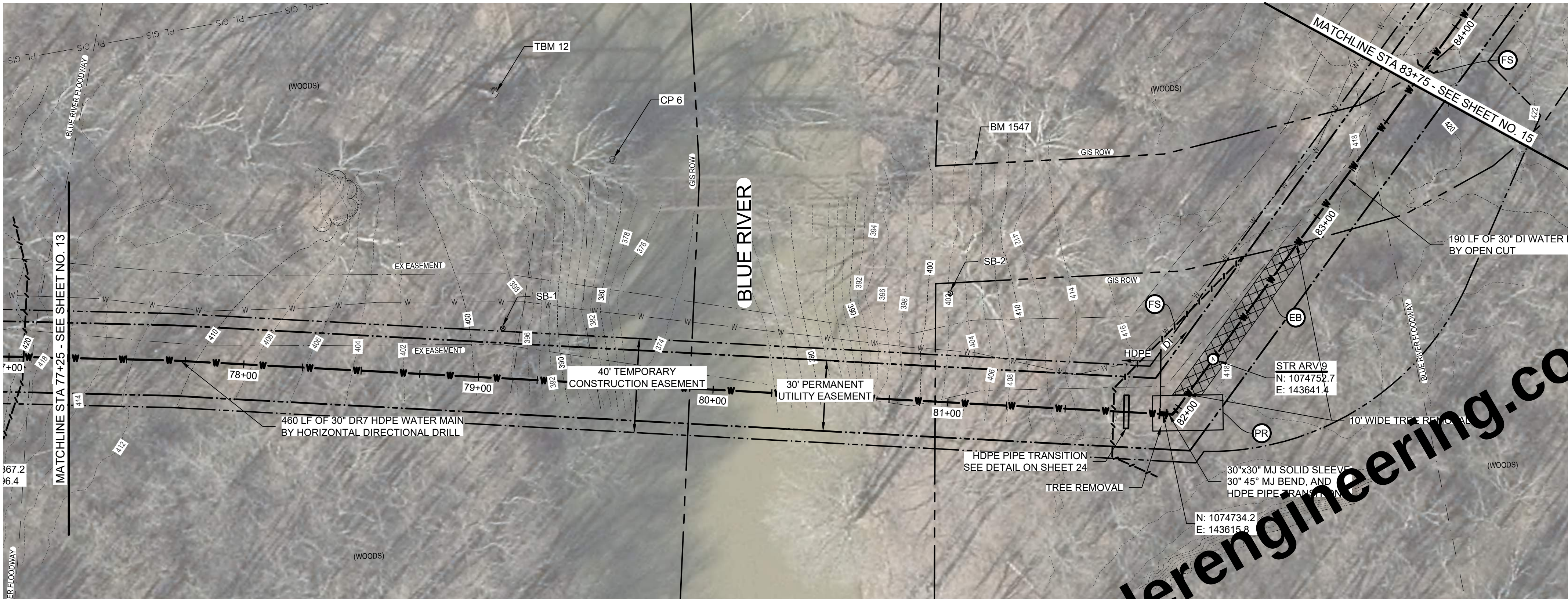
NOTE:
1. USE EXISTING ROAD WOODLAND STREAM DRIVE AS CONSTRUCTION ENTRANCE.

SCALE VERIFICATION BAR IS ONE INCH LONG ON ORIGINAL DRAWING 	DRAWN BY	TWL	NO.	DATE	INITIALS	REVISION DESCRIPTIONS
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	ISSUE DATE					
	AUGUST 2026					
	PROJECT NUMBER					
	294225-04-001					

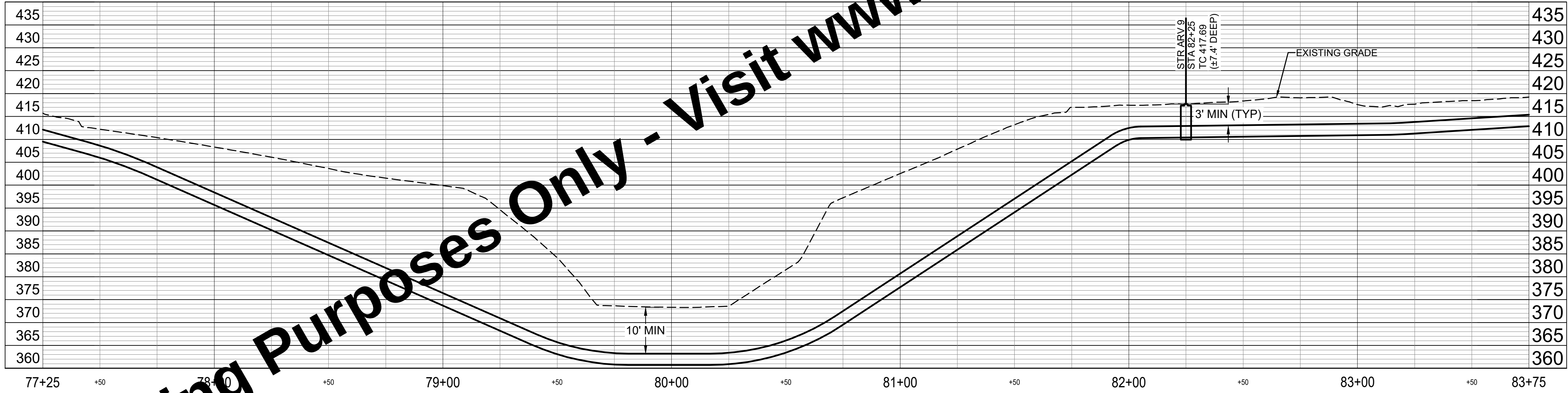


LEAVENWORTH TRANSMISSION MAIN
RAMSEY WATER COMPANY
RAMSEY, INDIANA
PLAN AND PROFILE - LINE A

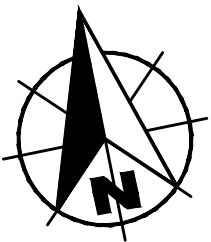
SHEET NO.
13
TOTAL SHEETS
28



PLAN - LINE A
SCALE: 1"=30'



PROFILE - LINE A
HORIZ SCALE: 1" = 30'
VERT SCALE: 1" = 15'



0 15 30 60 FT
1" = 30'

KEYED NOTES

- D PAVEMENT (LOCAL STREETS) REPAIR AND FULL DEPTH CLASS I BACKFILL
- D2 ASPHALT DRIVE REPAIR AND FULL DEPTH CLASS I BACKFILL
- N CRUSHED STONE SURFACE REPAIR AND FULL DEPTH CLASS I BACKFILL
- PD APPROXIMATE LOCATION OF DRILL PIT
- PR APPROXIMATE LOCATION OF RECEIVING PIT
- SX WATER SERVICE TO THIS PROPERTY IS OUTSIDE PROJECT LIMITS
- X POTENTIAL UTILITY CONFLICT FIELD VERIFY PRIOR TO CONSTRUCTION.
- EB EROSION CONTROL BLANKET
- FS SILT FENCE/FILTER TUBE

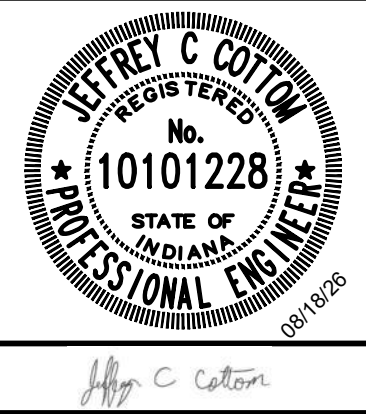
LEGEND

- SILT FENCE/FILTER TUBE
- CONSTRUCTION ENTRANCE
- EROSION CONTROL BLANKET

NOTE:
1. USE EXISTING ROAD OLD FOREST ROAD AS CONSTRUCTION ENTRANCE.

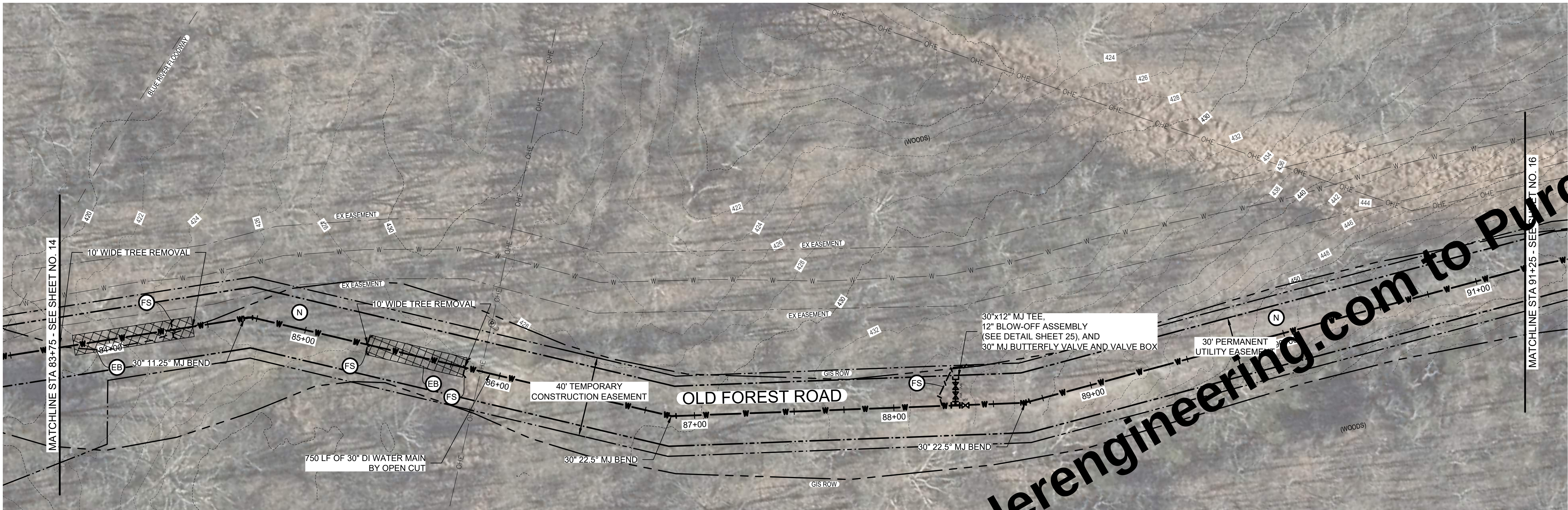
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	CHECKED BY	JCC				
	APPROVED BY	KJW				
	ISSUE DATE					
	AUGUST 2026					
	PROJECT NUMBER					
294225-04-001						

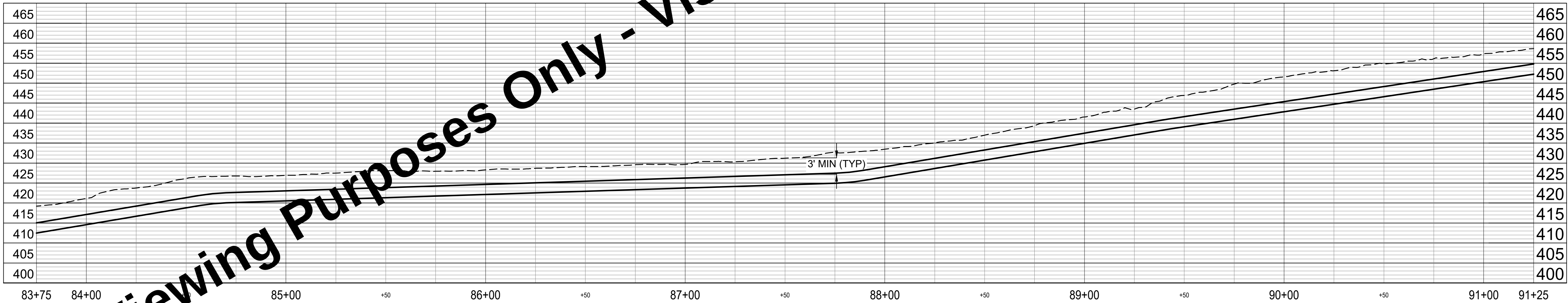


LEAVENWORTH TRANSMISSION MAIN	
RAMSEY WATER COMPANY RAMSEY, INDIANA	
PLAN AND PROFILE - LINE A	

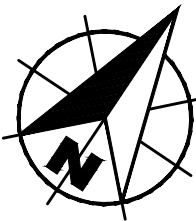
SHEET NO.	14
TOTAL SHEETS	28



PLAN - LINE A
SCALE: 1"=30'



PROFILE - LINE A
HORIZ SCALE: 1" = 30'
VERT SCALE: 1" = 15'



0 15 30 60 FT
1" = 30'

KEYED NOTES

- D AVEMENT (LOCAL STREETS) REPAIR AND FULL DEPTH CLASS I BACKFILL
- D2 ASPHALT DRIVE REPAIR AND FULL DEPTH CLASS I BACKFILL
- N CRUSHED STONE SURFACE REPAIR AND FULL DEPTH CLASS I BACKFILL
- PD APPROXIMATE LOCATION OF DRILL PIT
- PR APPROXIMATE LOCATION OF RECEIVING PIT
- SX WATER SERVICE TO THIS PROPERTY IS OUTSIDE PROJECT LIMITS
- X POTENTIAL UTILITY CONFLICT FIELD VERIFY PRIOR TO CONSTRUCTION.
- EB EROSION CONTROL BLANKET
- FS SILT FENCE/FILTER TUBE

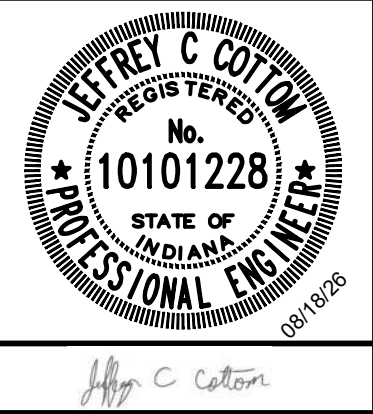
LEGEND

- SILT FENCE/FILTER TUBE
- CONSTRUCTION ENTRANCE
- EROSION CONTROL BLANKET

NOTE:
1. USE EXISTING ROAD OLD FOREST ROAD AS CONSTRUCTION ENTRANCE.

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	ISSUE DATE					
	AUGUST 2026					
	PROJECT NUMBER					
	294225-04-001					

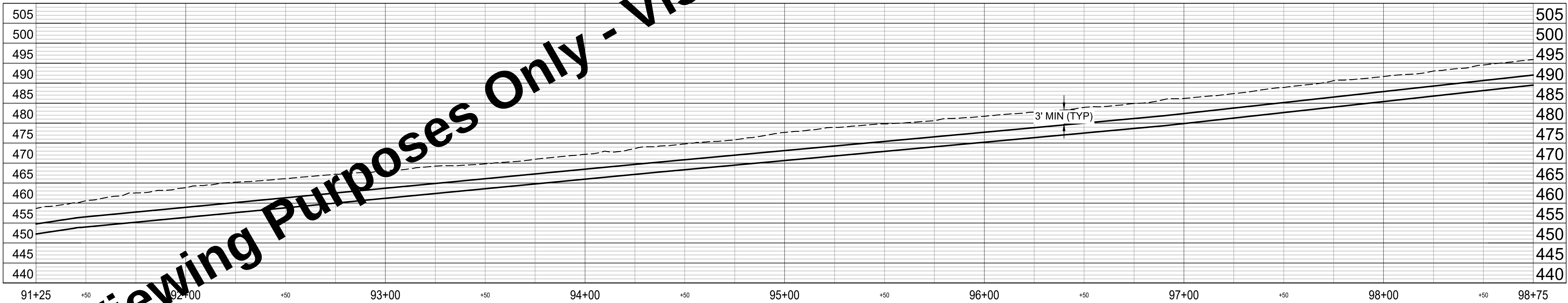


LEAVENWORTH TRANSMISSION MAIN	
RAMSEY WATER COMPANY RAMSEY, INDIANA	
PLAN AND PROFILE - LINE A	

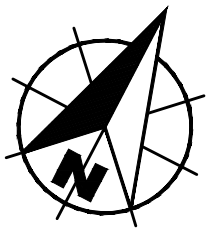
SHEET NO.
15
TOTAL SHEETS
28



PLAN - LINE A
SCALE: 1"=30'



PROFILE - LINE A
HORIZ SCALE: 1" = 30'
VERT SCALE: 1" = 15'



0 15 30 60 FT
1" = 30'

KEYED NOTES

- AVEMENT (LOCAL STREETS) REPAIR AND FULL DEPTH CLASS I BACKFILL
- D2 ASPHALT DRIVE REPAIR AND FULL DEPTH CLASS I BACKFILL
- N CRUSHED STONE SURFACE REPAIR AND FULL DEPTH CLASS I BACKFILL
- PD APPROXIMATE LOCATION OF DRILL PIT
- PR APPROXIMATE LOCATION OF RECEIVING PIT
- SX WATER SERVICE TO THIS PROPERTY IS OUTSIDE PROJECT LIMITS
- X POTENTIAL UTILITY CONFLICT FIELD VERIFY PRIOR TO CONSTRUCTION.
- EB EROSION CONTROL BLANKET
- FS SILT FENCE/FILTER TUBE

LEGEND

- SILT FENCE/FILTER TUBE
- CONSTRUCTION ENTRANCE
- EROSION CONTROL BLANKET

NOTE:
1. USE EXISTING ROAD OLD FOREST ROAD AS CONSTRUCTION ENTRANCE.

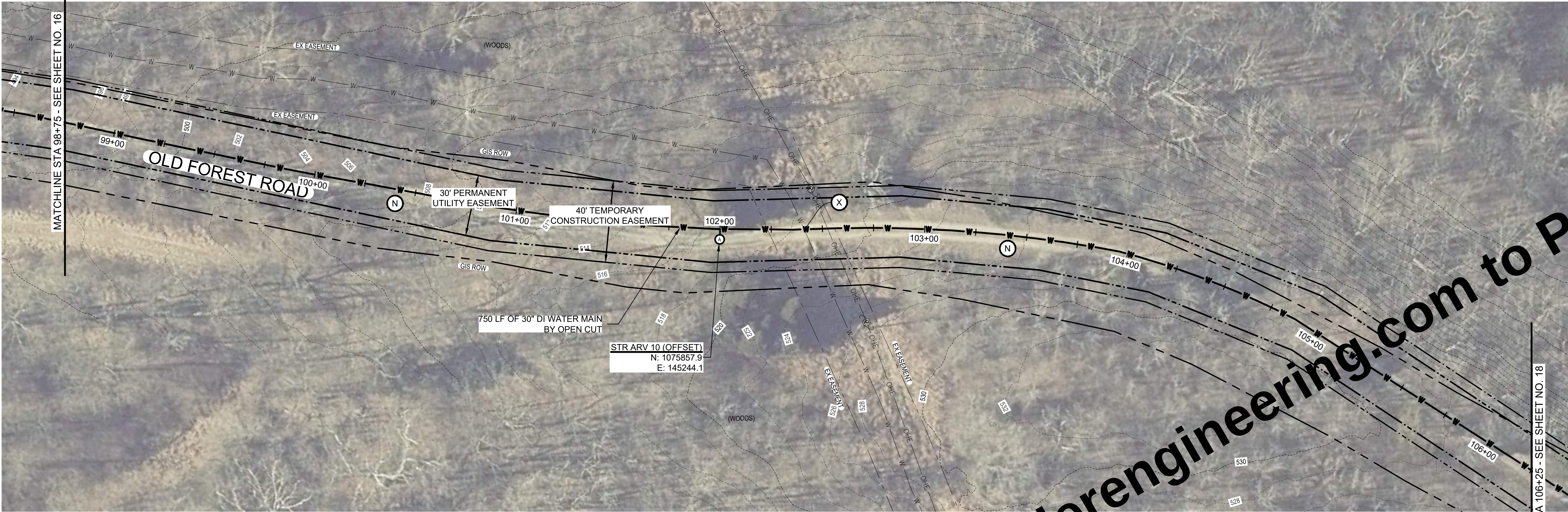
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	APPROVED BY	KJW				
	ISSUE DATE					
	AUGUST 2026					
	PROJECT NUMBER					
		294225-04-001				

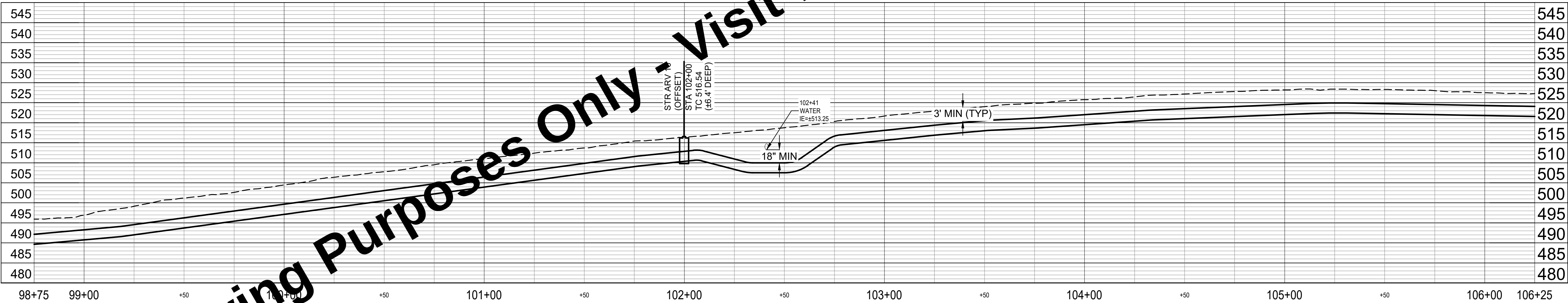


LEAVENWORTH TRANSMISSION MAIN
RAMSEY WATER COMPANY
RAMSEY, INDIANA
PLAN AND PROFILE - LINE A

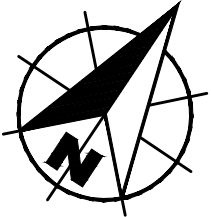
SHEET NO.
16
TOTAL SHEETS
28



PLAN - LINE A
SCALE: 1"=30'



PROFILE - LINE A
HORIZ SCALE: 1" = 30'
VERT SCALE: 1" = 15'



0 15 30 60 FT
1" = 30'

KEYED NOTES ○

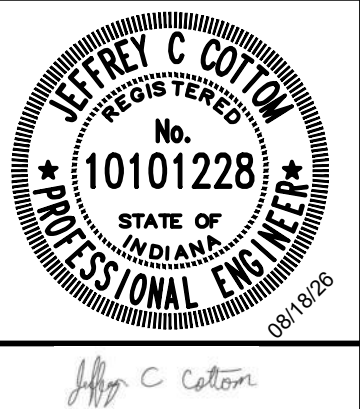
- PAVEMENT (LOCAL STREETS) REPAIR AND FULL DEPTH CLASS I BACKFILL
- D2 ASPHALT DRIVE REPAIR AND FULL DEPTH CLASS I BACKFILL
- N CRUSHED STONE SURFACE REPAIR AND FULL DEPTH CLASS I BACKFILL
- PD APPROXIMATE LOCATION OF DRILL PIT
- PR APPROXIMATE LOCATION OF RECEIVING PIT
- SX WATER SERVICE TO THIS PROPERTY IS OUTSIDE PROJECT LIMITS
- X POTENTIAL UTILITY CONFLICT FIELD VERIFY PRIOR TO CONSTRUCTION.
- EB EROSION CONTROL BLANKET
- FS SILT FENCE/FILTER TUBE

LEGEND

- SILT FENCE/FILTER TUBE
- CONSTRUCTION ENTRANCE
- EROSION CONTROL BLANKET

NOTE:
1. USE EXISTING ROAD OLD FOREST ROAD AS CONSTRUCTION ENTRANCE.

SCALE VERIFICATION BAR IS ONE INCH LONG ON ORIGINAL DRAWING 	DRAWN BY	TWL	NO.	DATE	INITIALS	REVISION DESCRIPTIONS
	CHECKED BY	JCC				
	APPROVED BY	KJW				
	ISSUE DATE					
	AUGUST 2026					
	PROJECT NUMBER					
		294225-04-001				



LEAVENWORTH TRANSMISSION MAIN
RAMSEY WATER COMPANY
RAMSEY, INDIANA
PLAN AND PROFILE - LINE A

SHEET NO.
17
TOTAL SHEETS
28

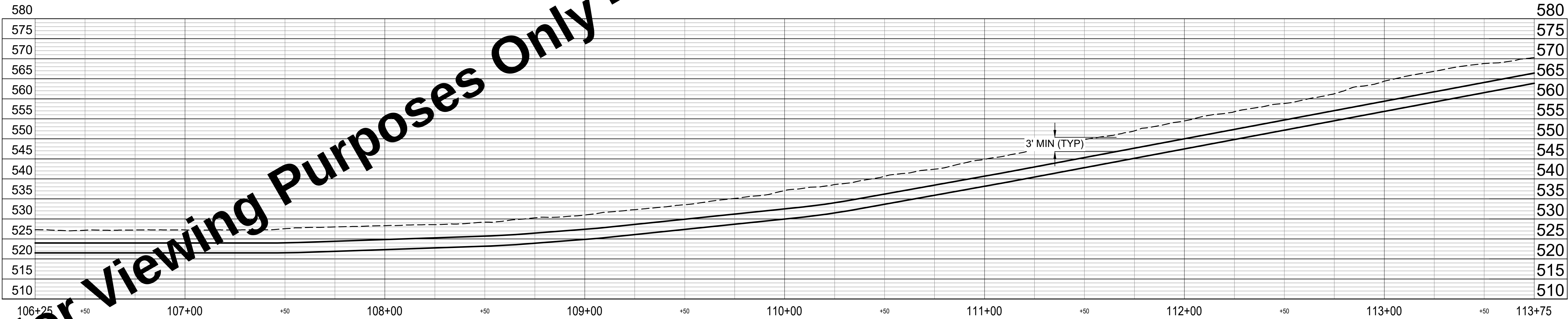


PLAN - LINE A
SCALE: 1"=30'

- KEYED NOTES**
- D AVEMENT (LOCAL STREETS) REPAIR AND FULL DEPTH CLASS I BACKFILL
 - D2 ASPHALT DRIVE REPAIR AND FULL DEPTH CLASS I BACKFILL
 - N CRUSHED STONE SURFACE REPAIR AND FULL DEPTH CLASS I BACKFILL
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 - FS SILT FENCE/FILTER TUBE

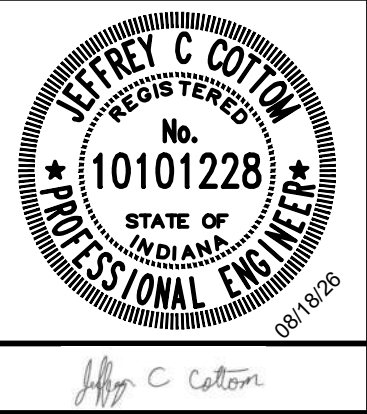
- LEGEND**
- SILT FENCE/FILTER TUBE
 - CONSTRUCTION ENTRANCE
 - EROSION CONTROL BLANKET

NOTE:
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PROFILE - LINE A
HORIZ SCALE: 1" = 30'
VERT SCALE: 1" = 15'

SCALE VERIFICATION BAR IS ONE INCH LONG ON ORIGINAL DRAWING 	DRAWN BY	TWL	NO.	DATE	INITIALS	REVISION DESCRIPTIONS
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	AUGUST 2026					
	PROJECT NUMBER					
	294225-04-001					

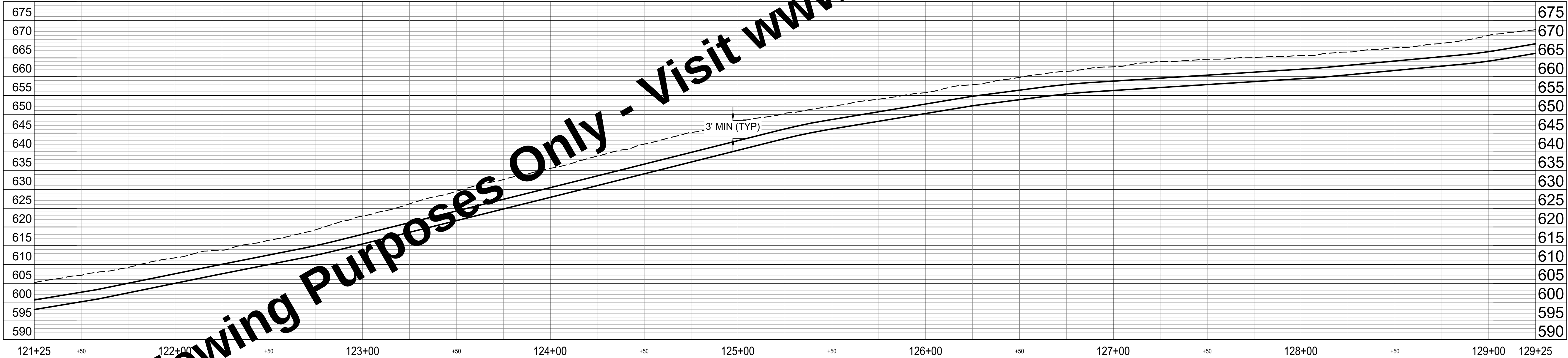


LEAVENWORTH TRANSMISSION MAIN	
RAMSEY WATER COMPANY RAMSEY, INDIANA	
PLAN AND PROFILE - LINE A	

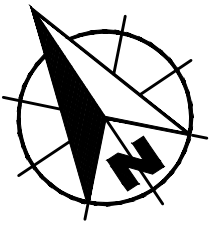
SHEET NO.
18
TOTAL SHEETS
28



PLAN - LINE A
SCALE: 1"=30'



PROFILE - LINE A
HORIZ SCALE: 1" = 30'
VERT SCALE: 1" = 15'



0 15 30 60 FT
1" = 30'

KEYED NOTES

- D AVEMENT (LOCAL STREETS) REPAIR AND FULL DEPTH CLASS I BACKFILL
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- SILT FENCE/FILTER TUBE
- CONSTRUCTION ENTRANCE
- EROSION CONTROL BLANKET

NOTE:
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	APPROVED BY	KJW				
	ISSUE DATE					
	AUGUST 2026					
	PROJECT NUMBER					
	294225-04-001					



LEAVENWORTH TRANSMISSION MAIN
RAMSEY WATER COMPANY
RAMSEY, INDIANA

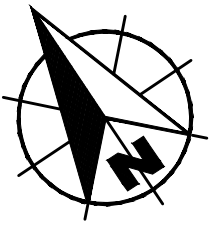
PLAN AND PROFILE - LINE A

SHEET NO.

20

TOTAL SHEETS

28



KEYED NOTES

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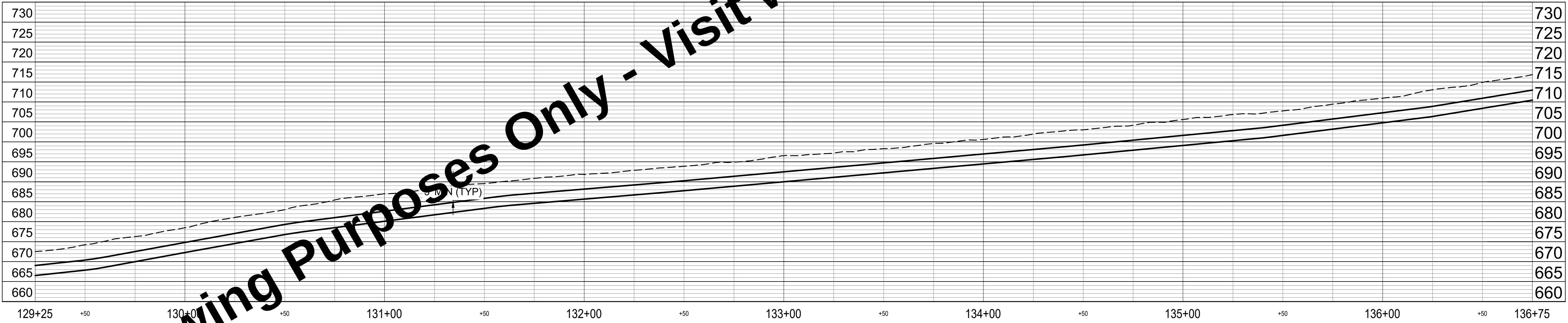
LEGEND

- SILT FENCE/FILTER TUBE
- CONSTRUCTION ENTRANCE
- EROSION CONTROL BLANKET

NOTE:
1. USE EXISTING ROAD OLD FOREST ROAD AS CONSTRUCTION ENTRANCE.



PLAN - LINE A
SCALE: 1"=30'



PROFILE - LINE A
HORIZ SCALE: 1" = 30'
VERT SCALE: 1" = 15'

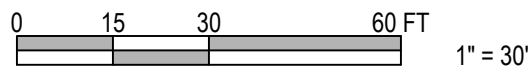
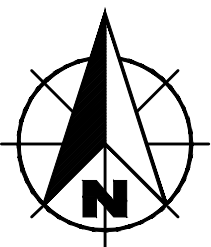
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	APPROVED BY	KJW				
	ISSUE DATE					
	AUGUST 2026					
	PROJECT NUMBER					
	294225-04-001					



LEAVENWORTH TRANSMISSION MAIN
RAMSEY WATER COMPANY
RAMSEY, INDIANA

PLAN AND PROFILE - LINE A

SHEET NO.
21
TOTAL SHEETS
28



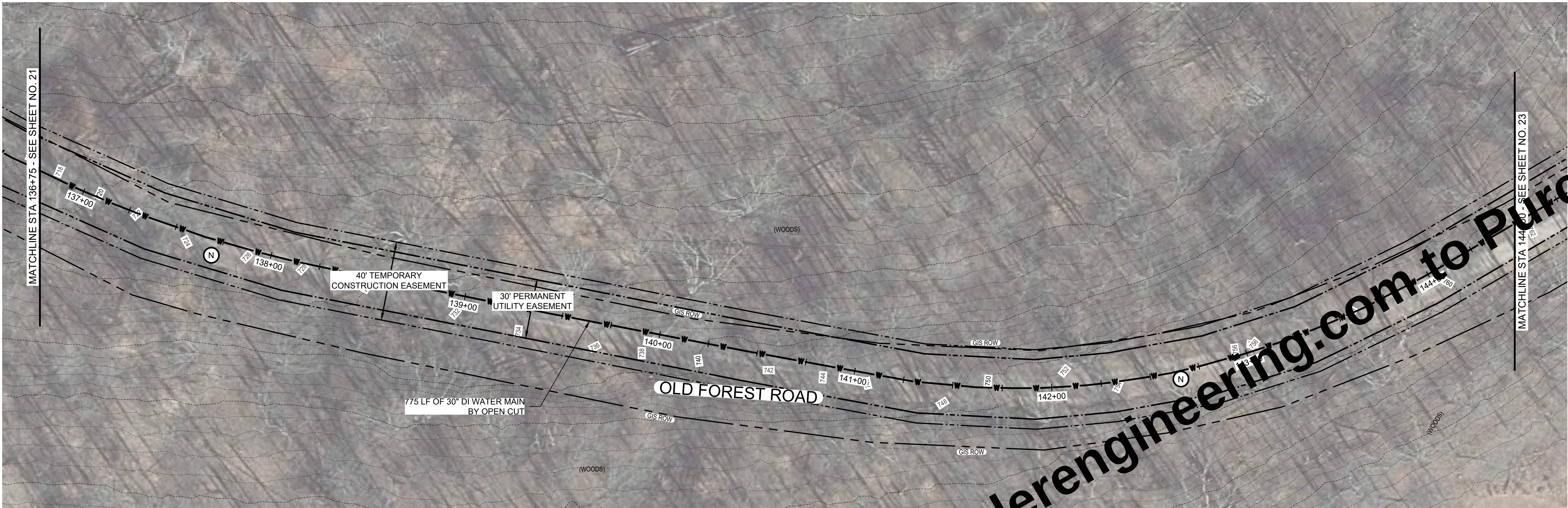
KEYED NOTES ○

- D AVEMENT (LOCAL STREETS) REPAIR AND FULL DEPTH CLASS I BACKFILL
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LEGEND

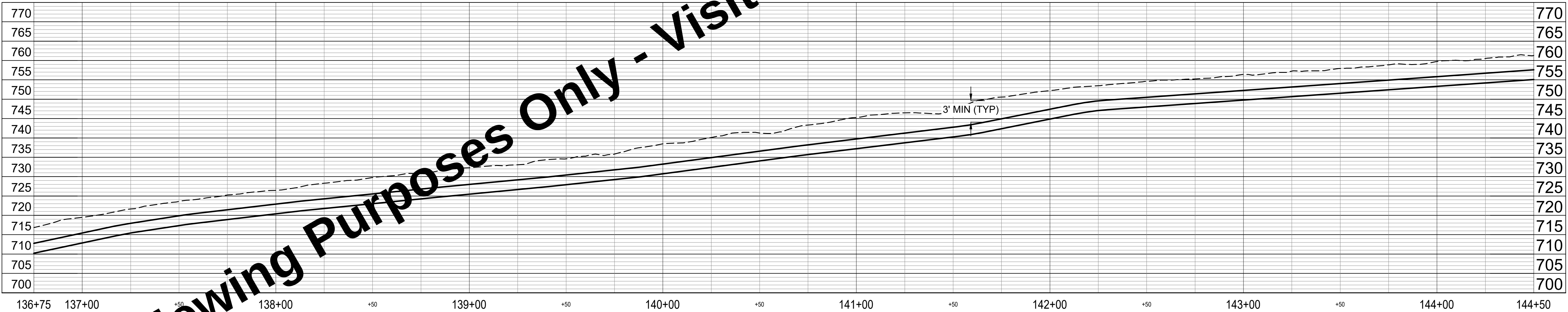
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- CONSTRUCTION ENTRANCE
- EROSION CONTROL BLANKET

NOTE:
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PLAN - LINE A

SCALE: 1"=30'



PROFILE - LINE A

HORIZ SCALE: 1" = 30'
VERT SCALE: 1" = 15'

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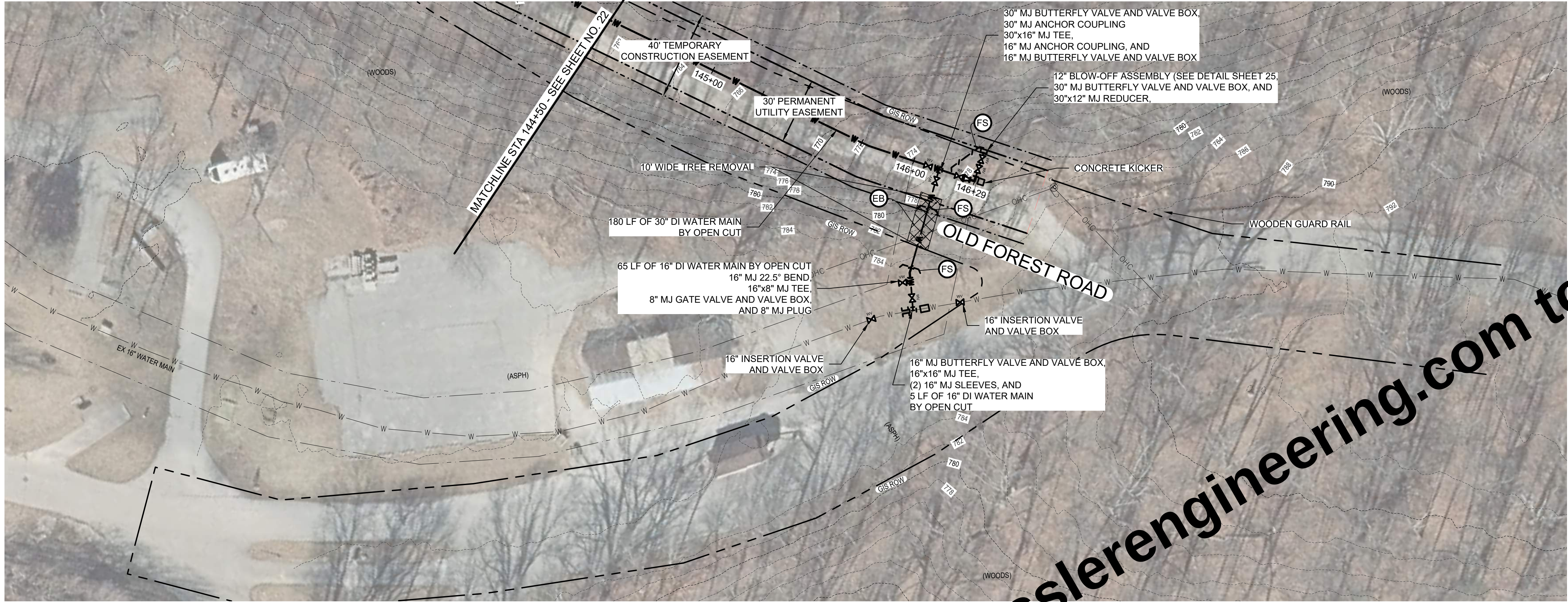
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	AUGUST 2026					
	PROJECT NUMBER					
	294225-04-001					



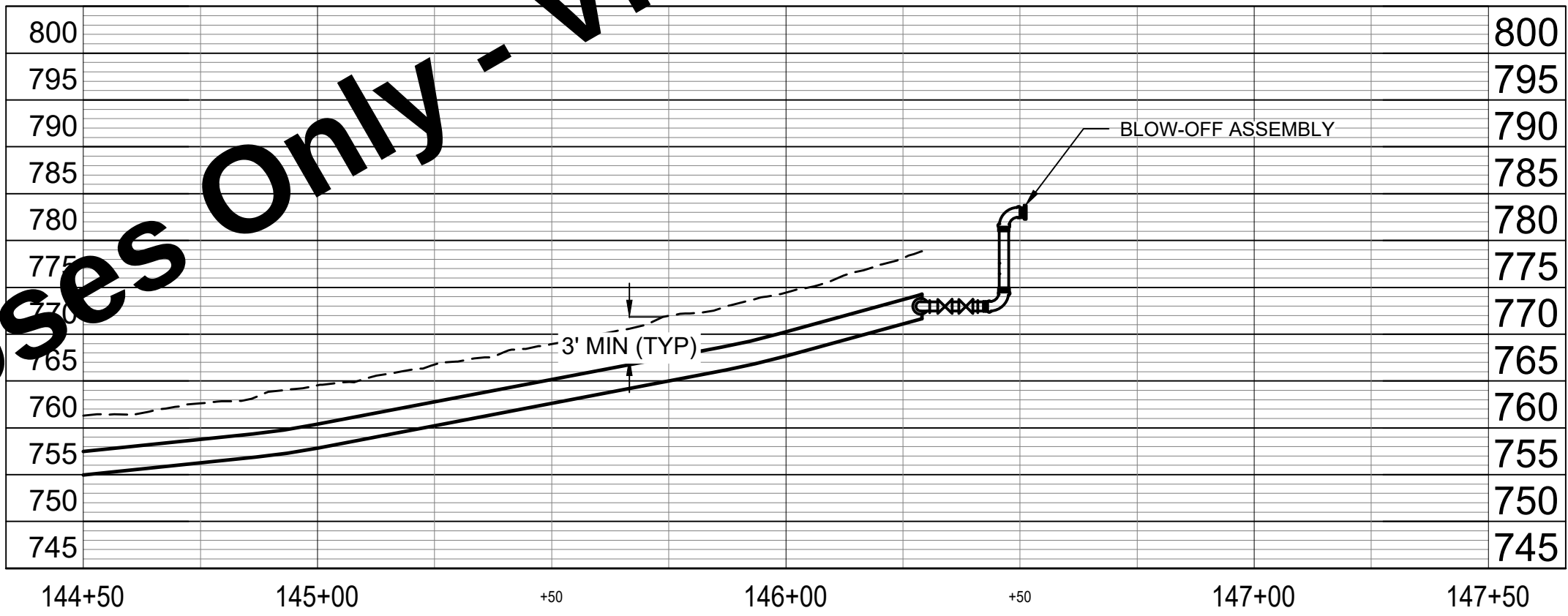
LEAVENWORTH TRANSMISSION MAIN
RAMSEY WATER COMPANY
RAMSEY, INDIANA

PLAN AND PROFILE - LINE A

SHEET NO.
22
TOTAL SHEETS
28



PLAN - LINE A
SCALE: 1"=30'



PROFILE - LINE A
HORIZ SCALE: 1" = 30'
VERT SCALE: 1" = 15'

KEYED NOTES

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PR APPROXIMATE LOCATION OF RECEIVING PIT

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X POTENTIAL UTILITY CONFLICT FIELD VERIFY PRIOR TO CONSTRUCTION.

EB EROSION CONTROL BLANKET

FS SILT FENCE/FILTER TUBE

LEGEND

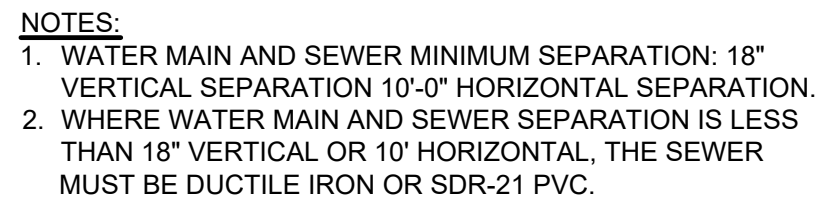
SILT FENCE/FILTER TUBE

CONSTRUCTION ENTRANCE

EROSION CONTROL BLANKET

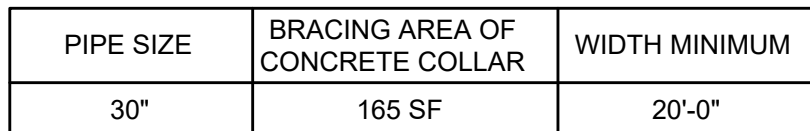
NOTE:
1. USE EXISTING ROAD OLD FOREST ROAD AS CONSTRUCTION ENTRANCE.

SCALE VERIFICATION BAR IS ONE INCH LONG ON ORIGINAL DRAWING	DRAWN BY	TWL	NO.	DATE	INITIALS	REVISION DESCRIPTIONS	  WESSLER ENGINEERING More than a Project™	LEAVENWORTH TRANSMISSION MAIN			
	CHECKED BY	JCC						RAMSEY WATER COMPANY RAMSEY, INDIANA			
	APPROVED BY	KJW						PLAN AND PROFILE - LINE A			
	ISSUE DATE										
	AUGUST 2026										
	PROJECT NUMBER										
	294225-04-001										



SCALE: NONE

SCALE: NONE



SCALE: NONE



SCALE: NONE



1. SET HYDRANT AND VALVE ON CONCRETE SUPPORT BLOCKING.
2. PLACE 2'x3' DEEP DRAINAGE PIT. EXTEND A MINIMUM OF 3", AND MAXIMUM OF 6", ABOVE HYDRANT BOOT.
3. RESTRAINED FITTINGS SHALL BE USED IN ADDITION TO CONCRETE THRUST BLOCKING. RESTRAINTS MUST BE USED FROM THE DISTRIBUTION MAIN TO THE HYDRANT. PLACE CONCRETE BLOCKS BEHIND HYDRANT TO UNDISTURBED EARTH.
4. VALVE BOX SHALL BE CENTERED AND PLUMB OVER VALVE OPERATING NUT.

SCALE: NONE

	TEE		22½"		45°		90°		PLUG	
SIZE	W	D	W	D	W	D	W	D	W	D
8"	4'-3"	2'-0"	2'-0"	1'-9"	3'-9"	1'-9"	6'-0"	2'-0"	3'-0"	3'-0"
12"	6'-0"	3'-0"	3'-6"	2'-0"	4'-9"	3'-6"	7'-9"	3'-0"	4'-3"	4'-3"
16"	7'-3"	4'-0"	4'-9"	2'-6"	7'-3"	3'-0"	10'-0"	4'-0"	5'-6"	5'-6"
30"	18'-3"	6'-0"	8'-9"	5'-0"	13'-6"	6'-0"	18'-3"	8'-0"	13'-9"	8'-0"

- NOTES:**
1. CONCRETE REACTION BLOCKING SHALL NOT COVER PIPE JOINTS, BOLTS, OR GLANDS.
 2. CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH NOT LESS THAN 2000 PSI AFTER 28 DAYS. UNOPENED BAGS OF SACKRETE ARE NOT ACCEPTABLE.
 3. WRAP DI FITTINGS WITH 8 MIL VISQUEEN OR POLYETHELENE ENCASEMENT.

SCALE: NONE

JEFFREY C COTTON
REGISTERED
No.
10101228
STATE OF
INDIANA
PROFESSIONAL ENGINEER
09/18/26



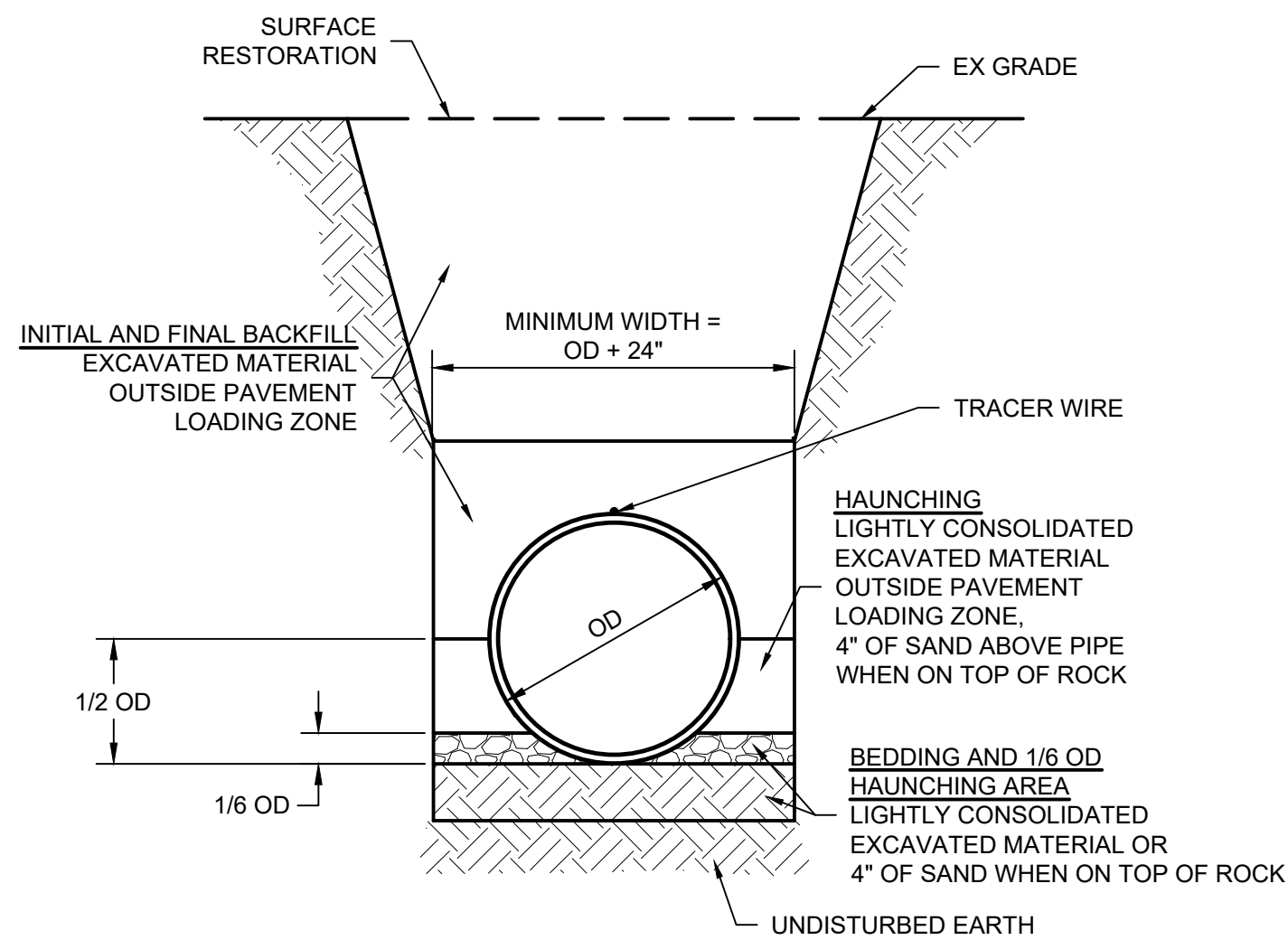
RAMSEY WATER COMPANY
RAMSEY, INDIANA

SHEET NO.

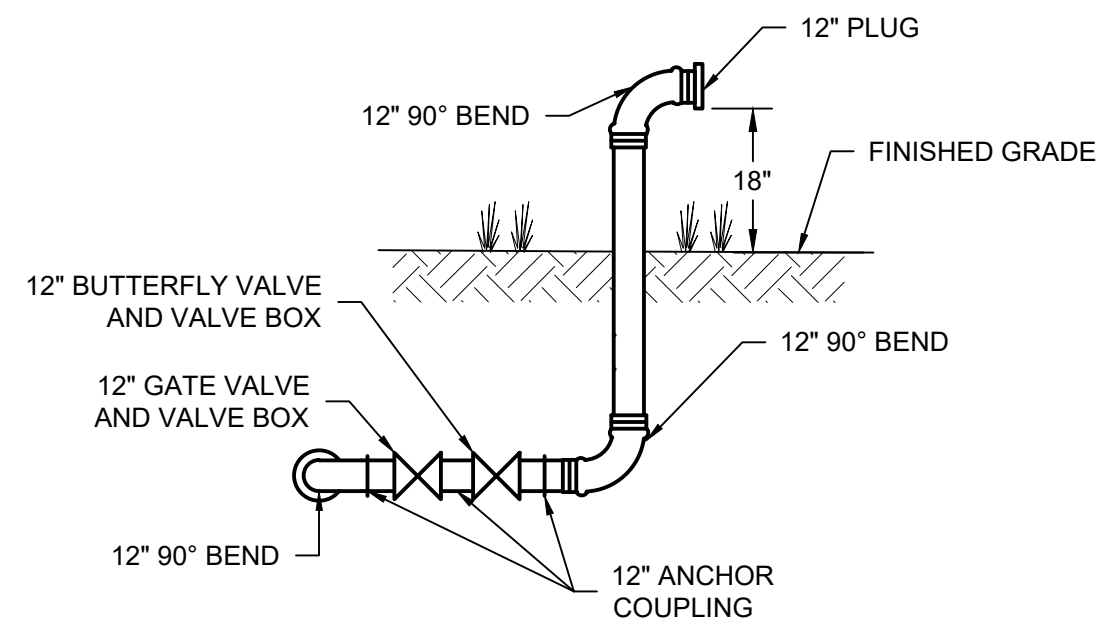
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TOTAL SHEETS

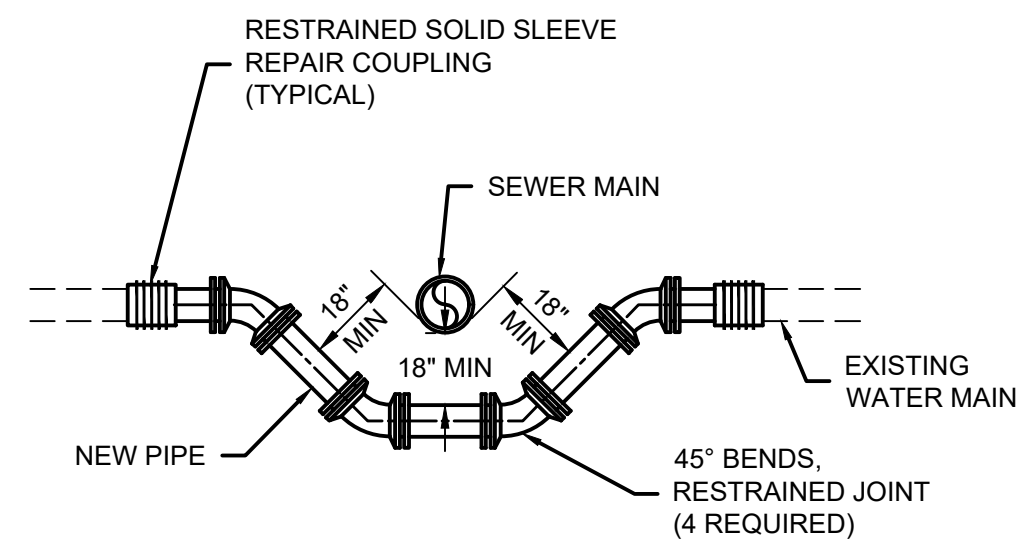
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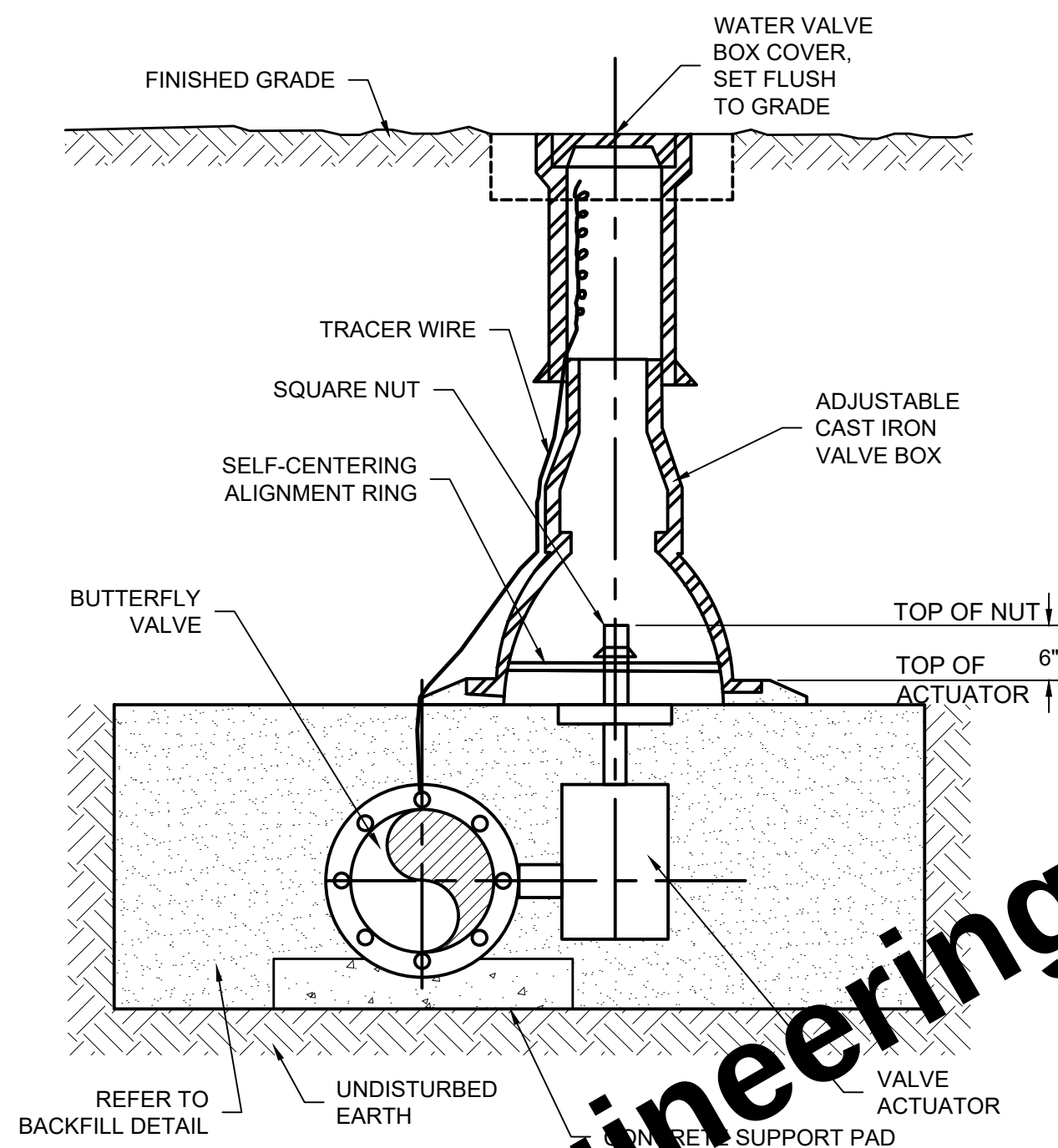
DUCTILE IRON (DI) PIPE TRENCH
SCALE: NONE



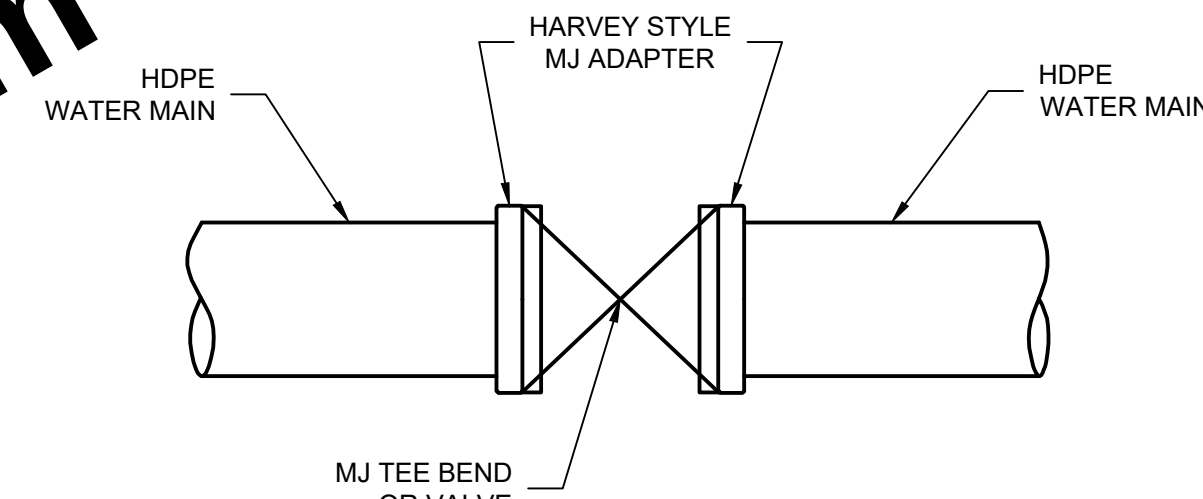
12" BLOW-OFF ASSEMBLY
SCALE: NONE



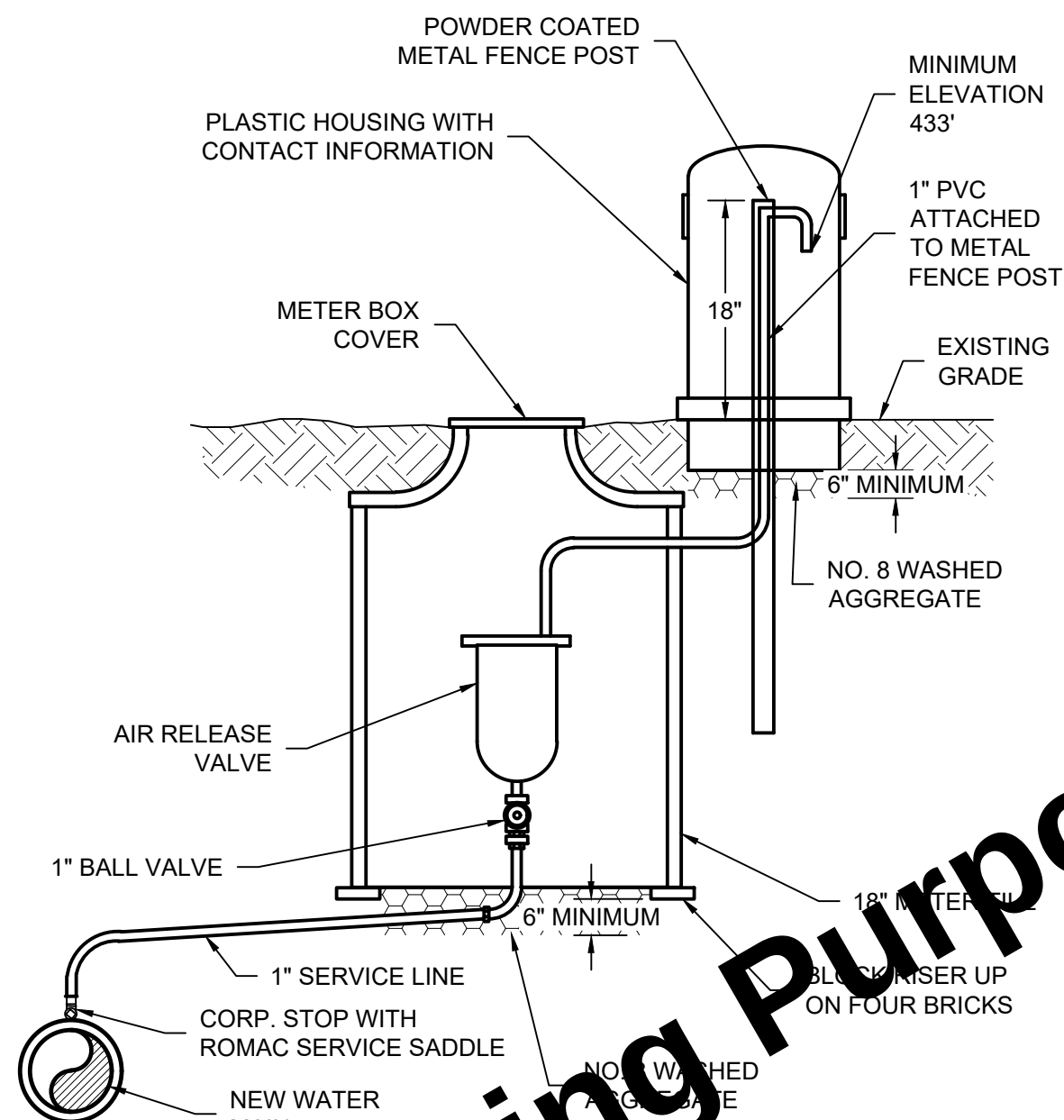
WATER MAIN LOWERING
SCALE: NONE



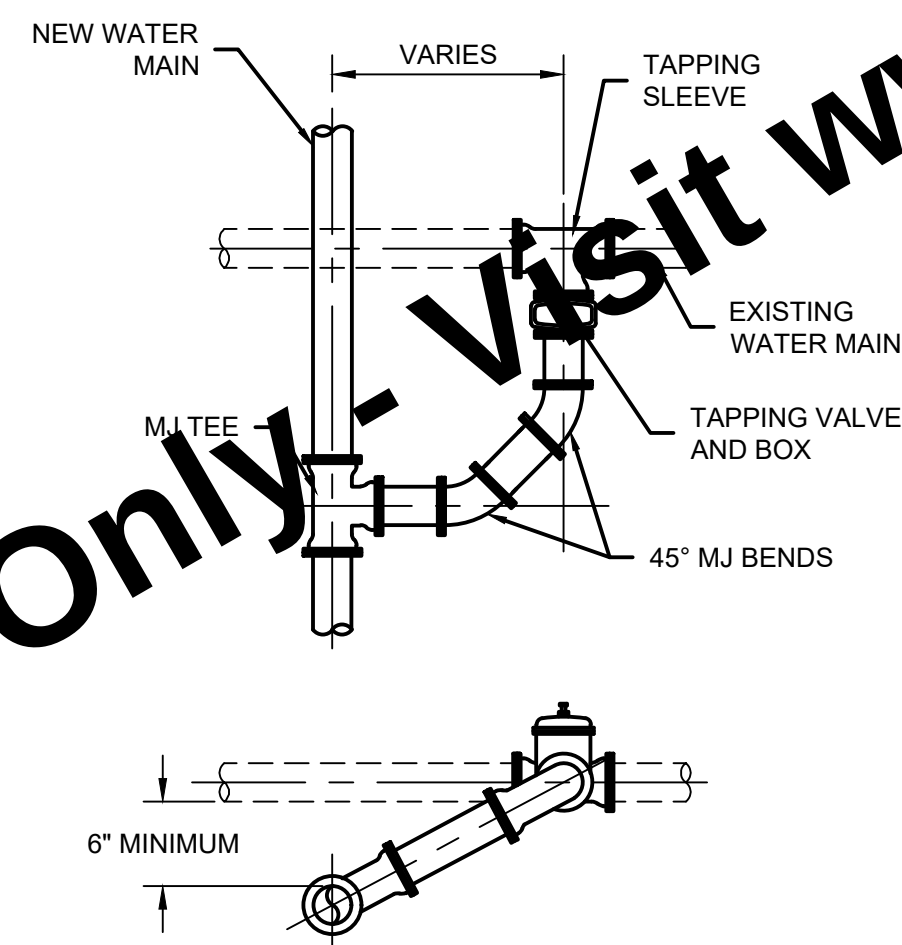
BUTTERFLY VALVE
SCALE: NONE



HDPE FITTING TRANSITION
SCALE: NONE

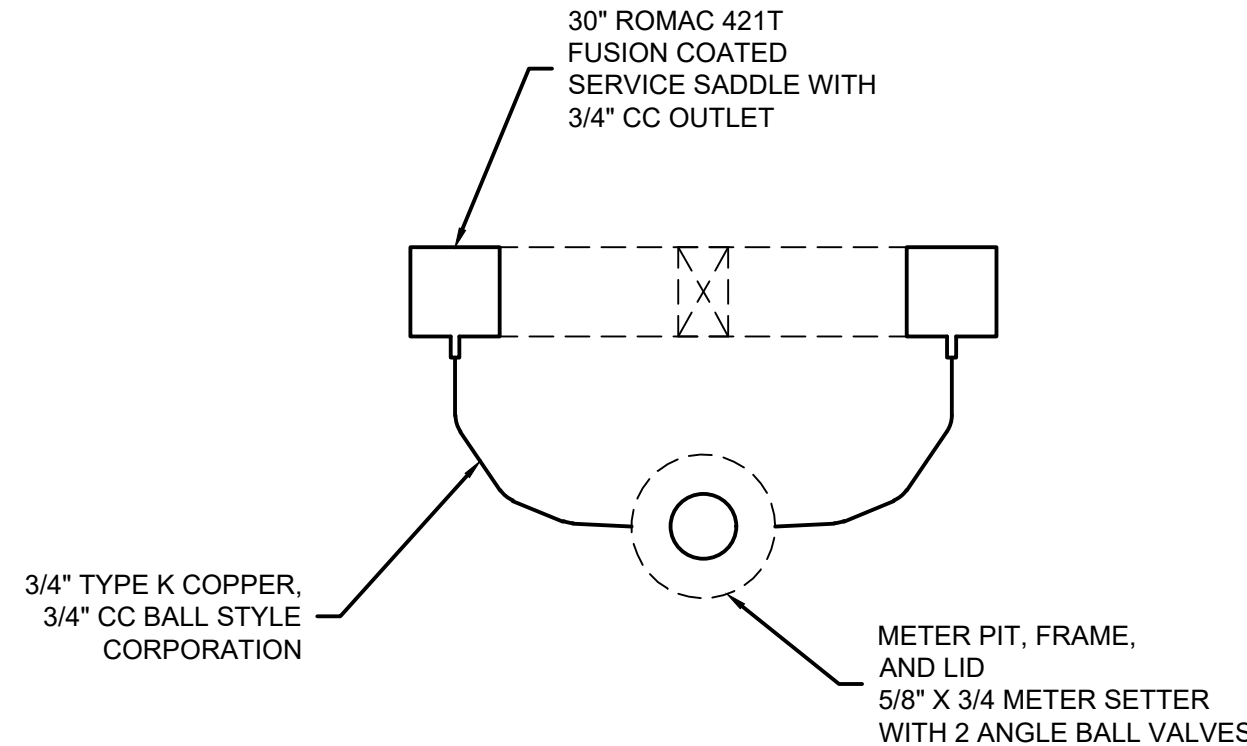


AIR RELEASE VALVE
SCALE: NONE



NOTES:
1. USE RESTRAINED MJ FITTINGS IN ADDITION TO CONCRETE THRUST BLOCKING. RESTRAINT MUST BE FROM DISTRIBUTION MAIN TO 45° BEND.

CROSS TAP
SCALE: NONE



LEAK DETECTION ASSEMBLY
SCALE: NONE

Drawing: X:\Ramsey Water Co\294225-Ramsey Leavenworth\DWG\Sheets\294225-MIS.dwg | Layout: 02 | Plotter: 0818208 @ 10:19:52 | LastSavedBy: ravis

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SCALE VERIFICATION	DRAWN BY	TWL	NO.	DATE	INITIALS	REVISION DESCRIPTIONS
BAR IS ONE INCH LONG ON ORIGINAL DRAWING	CHECKED BY	JCC				
	APPROVED BY	KJW				
	ISSUE DATE					
	AUGUST 2026					
	PROJECT NUMBER					
	294225-04-001					

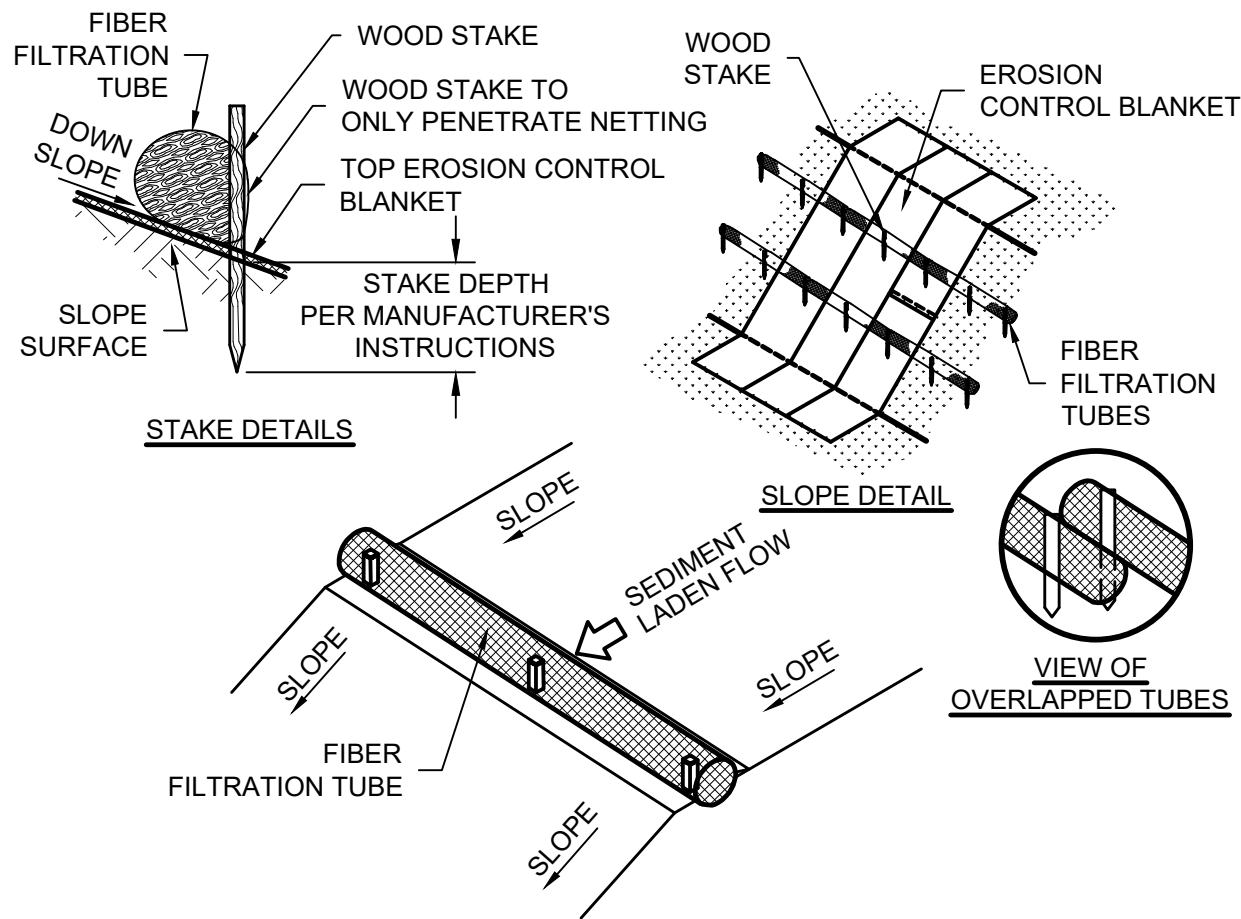


LEAVENWORTH TRANSMISSION MAIN		
RAMSEY WATER COMPANY RAMSEY, INDIANA		
MISCELLANEOUS DETAILS		

SHEET NO.	25
TOTAL SHEETS	28

Drawing: X:\Ramsey Water Co\294225-Ramsey_Leavenworth\DWG\Sheets\294225-CD.dwg | Layout: 01 | Plotted: 08/18/26 @ 10:19:59 | LastSavedBy: hawaii

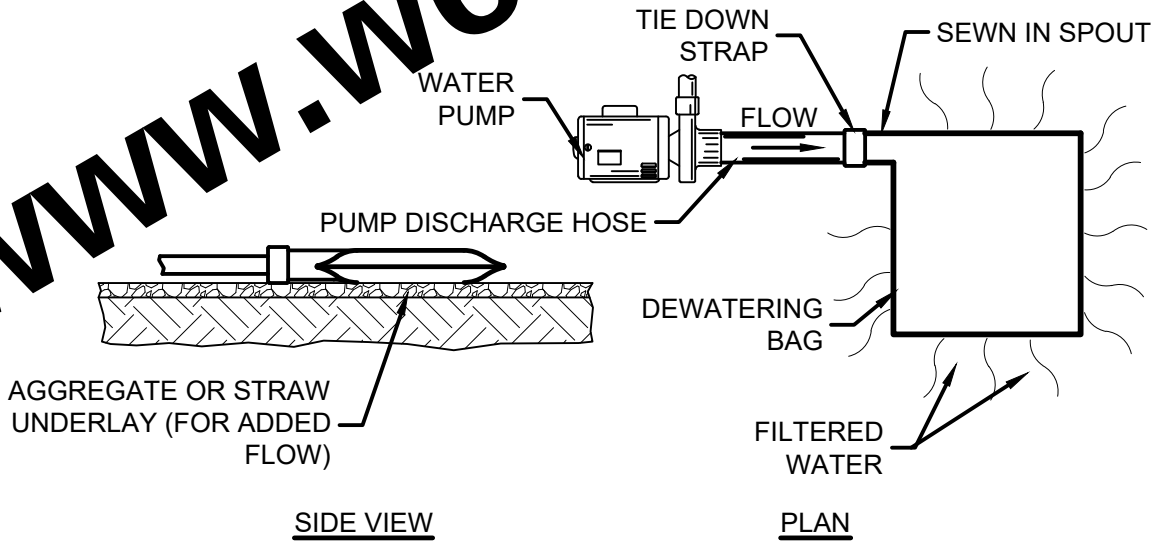
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- PRODUCT:**
1. FILTREXX SILTSOXX® (SOXX) 12" DIAMETER COMPOST FILTER SOCK, OR APPROVED EQUAL.
- APPLICATIONS:**
1. TOP OF SLOPES.
2. AT PROJECT PERIMETER.
- INSTALLATION:**
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
2. USE THE APPROPRIATE SIZE, LENGTH AND DISTANCE BETWEEN TUBES AS SPECIFIED BY THE MANUFACTURER.
3. ENTRENCH PER MANUFACTURER'S INSTRUCTIONS.
- MAINTENANCE:**
1. REMOVE ALL ACCUMULATED SEDIMENT WHEN IT REACHES 1/4 THE HEIGHT OF THE FIBER TUBE.
2. REPAIR ERODED AND DAMAGED AREAS.
3. IF PONDING BECOMES EXCESSIVE DUE TO REDUCED FILTERING CAPACITY, REMOVE THE TUBE AND EITHER RECONSTRUCT OR REPLACE WITH NEW PRODUCT.
4. INSPECT WITHIN 24 HOURS OF A RAIN EVENT AND AT LEAST ONCE PER CALENDAR DAYS.

FIBER FILTRATION TUBES SLOPE

SCALE: NONE



MECHANICAL PROPERTIES	TEST METHOD	UNITS	INDUSTRY STANDARD
GRAB TENSILE STRENGTH	ASTM D4632	kN (LB)	0.9 (205) X 0.9 (205)
GRAB TENSILE ELONGATION	ASTM D4632	%	50 X 50
PUNCTURE STRENGTH	ASTM D4833	kN (LB)	0.58 (130)
MULLEN BURST STRENGTH	ASTM D3786	kPa (PSI)	2618 (380)
TRAPEZOID TEAR STRENGTH	ASTM D4533	kN (LB)	0.36 (80) X 0.36 (80)
UV RESISTANCE	ASTM D4355	%	70
APPARENT OPENING SIZE	ASTM D4751	Mm (US STD SIEVE)	0.180 (80)
FLOW RATE	ASTM D4491	1/MIN/M² (GAL/MIN/FT²)	3866 (95)
PERMITTIVITY	ASTM D4491	S ⁻¹	1.2

- MAINTENANCE:**
1. DURING THE ACTIVE DEWATERING PROCESS, INSPECTION OF THE PUMPING BAG SHOULD BE REVIEWED FREQUENTLY. SPECIAL ATTENTION SHOULD BE PAID TO THE BUFFER AREA FOR ANY SIGN OF EROSION AND CONCENTRATION OF FLOW. OBSERVE WHERE POSSIBLE THE VISUAL QUALITY OF THE EFFLUENT AND DETERMINE IF ADDITIONAL TREATMENT CAN BE PROVIDED.
2. DISPOSE OF ACCUMULATED SEDIMENT REMOVED DURING PUMPING OPERATIONS IN CONFORMANCE WITH THE SPECIFICATIONS.
3. REPLACE THE BAG OR DISPOSE OF SILT WHEN HALF FULL OF SEDIMENT OR WHEN SEDIMENT HAS REDUCED THE FLOW RATE TO AN IMPRACTICAL RATE.

SOURCE:
KRISTAR
DANDY DEWATERING BAG
SEDCATCH

PUMPING BAG

SCALE: NONE

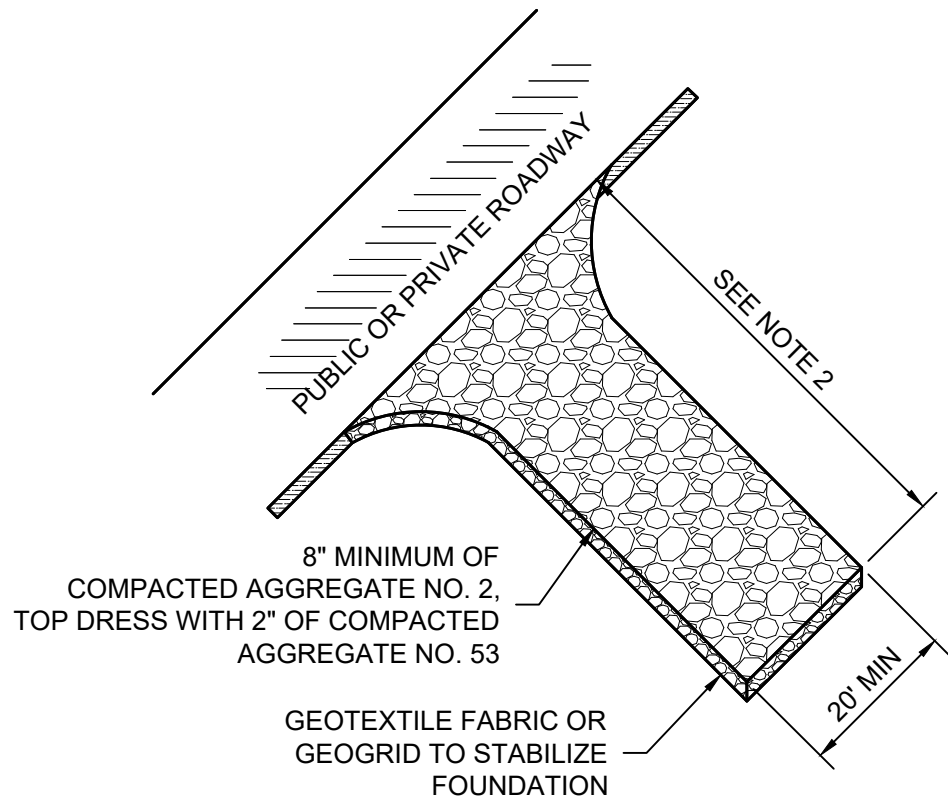
EROSION CONTROL SCHEDULE

- PRECONSTRUCTION ACTIVITIES: POST THE FOLLOWING INFORMATION NEAR THE MAIN ENTRANCE OF THE PROJECT SITE OR AT A PUBLICLY ACCESSIBLE LOCATION: NOTICE OF INTENT, PUBLIC NOTICE, NPDES PERMIT NUMBER, CONTACT INFORMATION FOR LOCAL CONTACT PERSON AND LOCATION OF CONSTRUCTION DRAWINGS AND SWPPP. INFORM OR TRAIN PERSONNEL ASSOCIATED WITH THE PROJECT OF THE TERMS AND CONDITIONS OF THE CSGP AND THE SWPPP REQUIREMENTS. REVIEW THE SCHEDULE HEREIN AND REVISE AS NECESSARY TO MINIMIZE THE FOOTPRINT OF DISTURBED AREAS BY APPROPRIATE PHASING CONSTRUCTION ACTIVITIES.
- INSTALL CONSTRUCTION ENTRANCE(S) FROM ROADWAY TO WORK AREAS BEFORE COMMENCING CONSTRUCTION ACTIVITIES. CONSTRUCTION ENTRANCES SHALL NOT BE PLACED ACROSS WATERWAYS, DITCHES, WETLANDS OR OTHER SENSITIVE AREAS.
- UTILIZE CONSTRUCTION ENTRANCES TO INSTALL EROSION AND SEDIMENT CONTROL MEASURES, INCLUDING RUNOFF CONTROL MEASURES (E.G. FIBER FILTRATION TUBES) WITHIN THE WORK AREA.
- LIMIT THE AREA OF CLEARING, GRUBBING AND EXCAVATION OPERATIONS IN PROGRESS. INSTALL TEMPORARY EROSION CONTROL MEASURES BETWEEN SUCCESSIVE CONSTRUCTION STAGES.
- TREE CLEARING CONTRACTOR SHALL BEGIN TREE CLEARING ACTIVITIES AND IS RESPONSIBLE FOR THE INSTALLATION OF ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES AS DEEMED NECESSARY. TREES NOT DESIGNATED FOR CLEARING SHALL BE PROTECTED. TREE TRIMMING DEBRIS AND LIMBS SHALL BE MULCHED AND USED ON SITE. ANY LARGE MATERIAL (LOGS, STUMPS, ETC.) WILL BE REMOVED FROM THE SITE AND DISPOSED OF APPROPRIATELY BY THE CONTRACTOR.
- APPLY TEMPORARY STABILIZATION MEASURES IMMEDIATELY TO ANY DISTURBED AREAS WHERE WORK HAS BEEN COMPLETED OR DELAYED.
- THE CONSTRUCTION OF THE WATER MAIN SHALL BEGIN FOLLOWING COMPLETION OF TREE CLEARING. CONCRETE WASHOUT AREAS SHALL BE DESIGNATED AND CONTAINMENT MEASURES (E.G. CONCRETE WASHOUT BAG) AVAILABLE ON SITE PRIOR TO ANY CONCRETE POURING ACTIVITIES.
- RUNOFF CONTROL MEASURES MAY BE TEMPORARILY MOVED AS NEEDED FOR ACCESS OR FOR THE INSTALLATION OF THE WATER MAIN BUT SHALL BE IMMEDIATELY REPLACED FOLLOWING COMPLETION OF ACTIVITIES.
- EROSION AND SEDIMENT CONTROL MEASURES AT BORE AND RECEIVING PITS SHALL BE INSTALLED PER THE HORIZONTAL DIRECTIONAL DRILLING AND HORIZONTAL BORED CROSSING DETAIL.
- DO NOT PERFORM WORK IN AREAS INUNDATED BY WATER. ISOLATE THE WORK AREA AS NEEDED AND IF DEWATERING BECOMES NECESSARY DURING CONSTRUCTION ACTIVITIES, REFER TO PUMPING BAG DETAIL, DAM AND PUMP DETAIL AND SPECIFICATIONS 02101 AND 02102.
- APPLY TEMPORARY OR PERMANENT STABILIZATION MEASURES TO DISTURBED AREAS. STABILIZATION MUST BE INITIATED BY THE END OF THE SEVENTH DAY THE AREA IS LEFT IDLE AND STABILIZATION SHALL BE COMPLETED WITHIN 14 DAYS AFTER INITIATION.
- DURING CONSTRUCTION INSTALL ANY ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES THAT ARE NEEDED. ADDITIONAL MEASURES MAY INCLUDE CONSTRUCTION ENTRANCES SPECIFIED ON THE PLAN SHEETS FOR ACCESS TO BORE AND RECEIVING PITS, AND ADDITIONAL ACCESS POINTS FOR WATER MAIN INSTALLATION ACTIVITIES.
- ALL DISTURBED AREAS SHALL BE STABILIZED IMMEDIATELY FOLLOWING COMPLETION OF CONSTRUCTION ACTIVITIES. PROVIDE PERMANENT SEEDING, MULCHING AND EROSION CONTROL BLANKETS AS SPECIFIED IN THE PLAN SET.
- FINAL STABILIZATION OF A PROJECT SITE IS ACHIEVED WHEN ALL LAND DISTURBING ACTIVITIES HAVE BEEN COMPLETED AND A UNIFORM PERENNIAL VEGETATIVE COVER WITH A DENSITY OF SEVENTY PERCENT HAS BEEN ESTABLISHED ON ALL UNPAVED DISTURBED AREAS.
- PROVIDE NOTIFICATION TO THE OWNER WHEN THE ENTIRE SITE HAS BEEN STABILIZED AND ALL CONSTRUCTION MATERIALS, WASTES AND EQUIPMENT HAVE BEEN REMOVED.

SCALE VERIFICATION BAR IS ONE INCH LONG ON ORIGINAL DRAWING	DRAWN BY TWL	NO.	DATE	INITIALS	REVISION DESCRIPTIONS	JEFFREY C. COTTON REGISTERED No. 10101228 STATE OF INDIANA PROFESSIONAL ENGINEER 08/18/26	W WESSLER ENGINEERING More than a Project™	LEAVENWORTH TRANSMISSION MAIN	SHEET NO. 26
	CHECKED BY JCC							RAMSEY WATER COMPANY	TOTAL SHEETS 28
	APPROVED BY KJW							RAMSEY, INDIANA	
	ISSUE DATE AUGUST 2026							EROSION CONTROL DETAILS	
	PROJECT NUMBER 294225-04-001								

Drawing: X:\Ramsey Water Co\294225-Ramsey Leavenworth\DWG\Sheets\294225-CD.dwg | Layout: 02 | Plotted: 08/18/26 @ 10:20:02 | LastSavedBy: hawaii

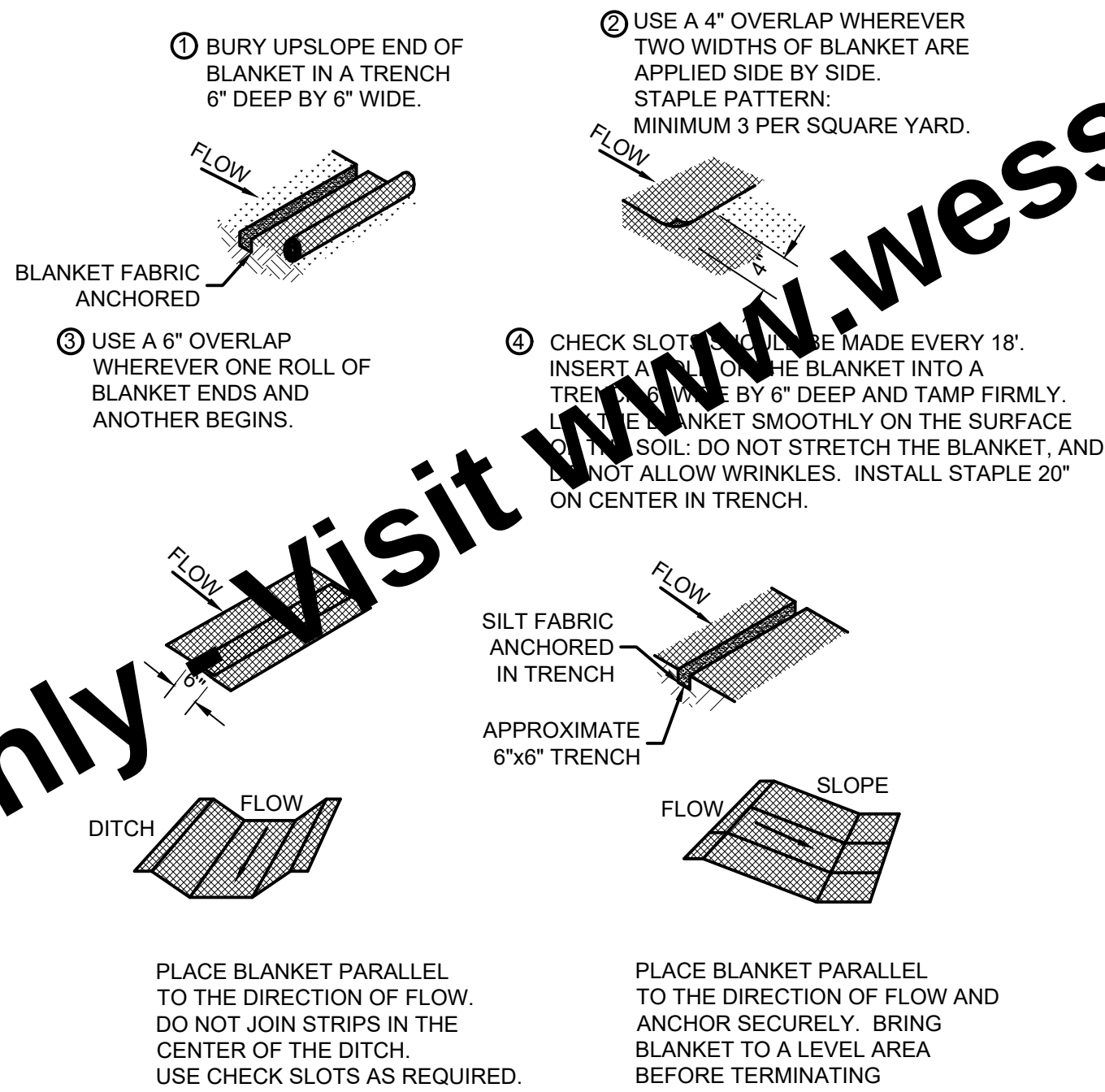
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- NOTES:**
- PLACE CONSTRUCTION ENTRANCE AS SHOWN ON THE PLANS AND AT ALL TEMPORARY CONSTRUCTION DRIVES THAT ARE INSTALLED.
 - FOR LARGE SITES (2 ACRES OR LARGER) THE MINIMUM LENGTH IS 150'. FOR SMALLER SITES (LESS THAN 2 ACRES) THE MINIMUM LENGTH IS 50'.
 - PROVIDE CULVERT OR OTHER METHODS AS NECESSARY TO MAINTAIN POSITIVE DRAINAGE.
- MAINTENANCE:**
- INSPECT DAILY AND REPLACE DISPLACED STONE.
 - IMMEDIATELY REMOVE MUD AND SEDIMENT TRACKED ONTO ADJACENT ROADWAY.
 - RESHAPE PAD AS NEEDED FOR DRAINAGE AND RUNOFF CONTROL.
 - AT COMPLETION OF PROJECT COMPLETELY REMOVE AND RESTORE SITE TO ORIGINAL CONDITIONS, OR AS APPLICABLE USE FOR BASE OF NEW PERMANENT DRIVE, MAINTAINING DESIGN ELEVATIONS AND SECTION.

CONSTRUCTION ENTRANCE

SCALE: NONE



- PRODUCT:**
- NORTH AMERICAN GREEN SC150, OR EQUAL.
- NOTES:**
- PROTECT THE SLOPES WITH AN EROSION CONTROL BLANKET WHERE CONSTRUCTION DISTURBS SLOPES EQUAL OR STEEPER THAN 3:1.
- MAINTENANCE:**
- INSPECT FOR EROSION AFTER EACH STORM EVENT DURING VEGETATION ESTABLISHMENT, AND AT LEAST ONCE EVERY 7 CALENDAR DAYS.
 - IF ANY AREAS SHOW EROSION, PULL BACK THAT PORTION OF THE BLANKET, ADD SOIL, RESEED, RELAY AND STAPLE THE BLANKET.
 - CHECK AREAS PERIODICALLY AFTER VEGETATION ESTABLISHMENT.

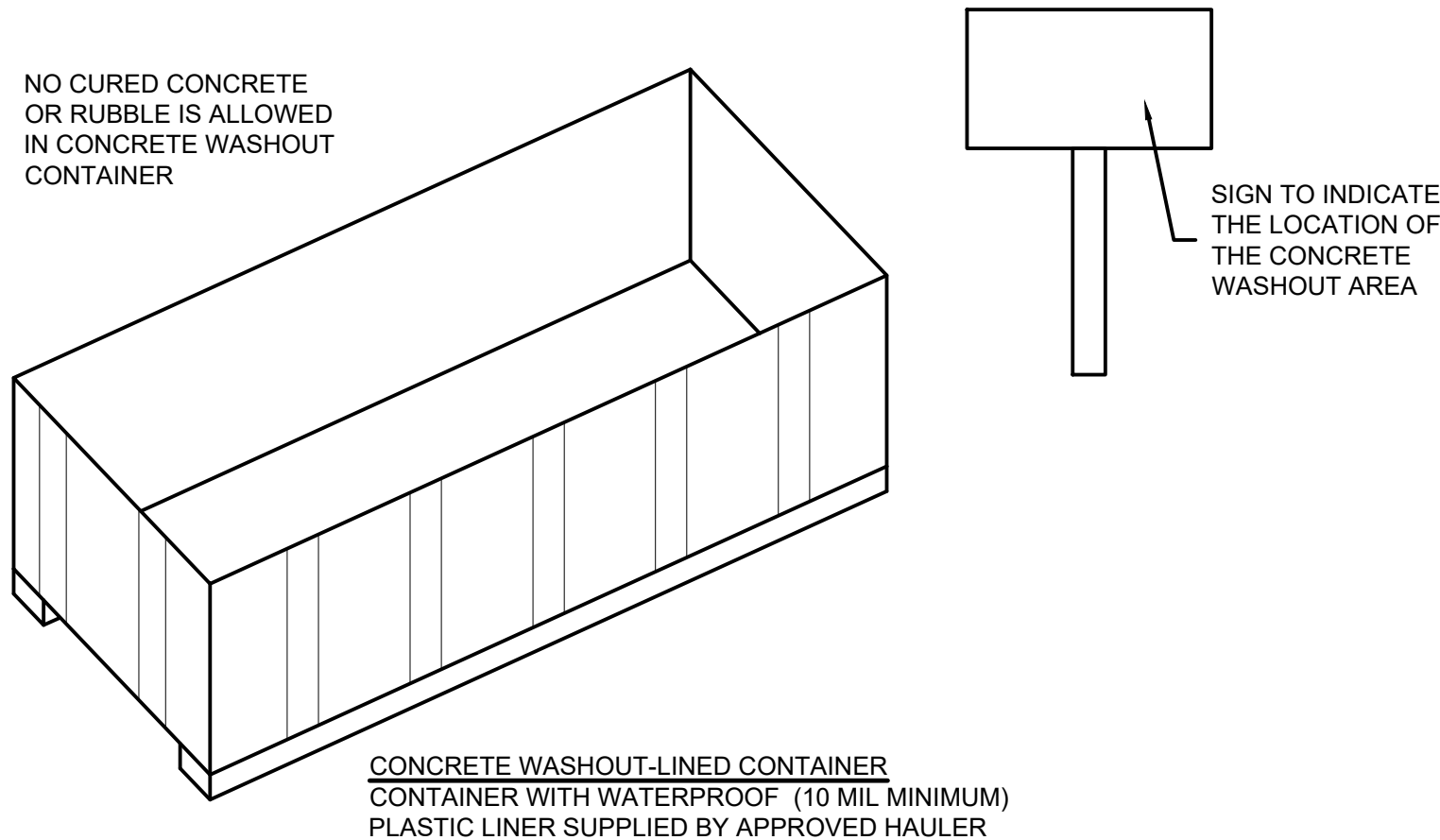
EROSION CONTROL BLANKET

SCALE: NONE

SEASONAL SOIL PROTECTION CHART												
STABILIZATION PRACTICE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
PERMANENT SEEDING			■	— A —					■			
DORMANT SEEDING	■	— B —		■							■	— C — ■
TEMPORARY SEEDING			■	— C —				■				
								■	— D —		■	
SODDING			■	— E —					■			
MULCHING	■	— F —										■

- A. = KENTUCKY BLUEGRASS AND PERENNIAL RYEGRASS 100 LB/ACRE
B. = KENTUCKY BLUEGRASS AND PERENNIAL RYEGRASS 150 LB/ACRE. PREPARE SEEDBED PRIOR TO SEEDING.
C. = MIX 1 (128 LB/ACRE OATS, 40 LB/ACRE TALL FESCUE, 40 LB/ACRE ANNUAL RYEGRASS), MIX 2 (40 LB/ACRE PERENNIAL RYEGRASS, 40 LB/ACRE TALL FESCUE, 40 LB/ACRE ANNUAL RYEGRASS), MIX 3 (40 LB/ACRE ANNUAL RYEGRASS, 142 LB/ACRE PERENNIAL RYEGRASS, 17 LB/ACRE CREEPING BENTGRASS, 17 LB/ACRE KENTUCKY BLUEGRASS), OR MIX 4 (128 LB/ACRE OATS, 40 LB/ACRE TALL FESCUE, 40 LB/ACRE ANNUAL RYEGRASS)
D. = MIX 5 (112 LB/ACRE RYE, 40 LB/ACRE TALL FESCUE, 40 LB/ACRE ANNUAL RYEGRASS), MIX 6 (120 LB/ACRE WHEAT, 40 LB/ACRE TALL FESCUE, 40 LB/ACRE ANNUAL RYEGRASS), MIX 7 (40 LB/ACRE PERENNIAL RYE, 40 LB/ACRE TALL FESCUE, 40 LB/ACRE ANNUAL RYEGRASS), MIX 8 (40 LB/ACRE ANNUAL RYEGRASS, 40 LB/ACRE PERENNIAL RYEGRASS, 40 LB/ACRE CREEPING BENTGRASS, 40 LB/ACRE KENTUCKY BLUEGRASS)
E. = SOD
F. = ANCHORED STRAW/HAY (2 TONS/ACRE) OR WOOD CELLULOSE FIBER (750 LB/ACRE) OR WOOD MULCH/CHIPS (10 TONS/ACRE)

- NOTES:**
- IRRIGATION NEEDED DURING FALL THROUGH SEPTEMBER.
 - IRRIGATION NEEDED PRIOR TO WEEDS AFTER APPLYING SOD.
 - ANCHORED MULCH IS REQUIRED FOR PERMANENT, DORMANT AND TEMPORARY SEEDING.
 - OPTIMUM SEEDING DATES PROVIDED. DATES MAY BE EXTENDED OR SHORTENED BASED ON PROJECT LOCATION.
 - SEEDING REQUIREMENTS PROVIDED FOR LAWNS AND HIGH MAINTENANCE AREAS.
 - SEEDING REQUIREMENTS AND INFORMATION ARE LOCATED IN THE OHIO DEPT. OF NATURAL RESOURCES MAINTENANCE WATER AND LAND DEVELOPMENT MANUAL.
 - INSPECT WITHIN 24 HOURS OF EACH 0.5-INCH RAIN EVENT AND AT LEAST ONCE EVERY 7 CALENDAR DAYS. CHECK FOR EROSION AND MOVEMENT OF MULCH AND REPAIR IMMEDIATELY.
 - MONITOR FOR EROSION DAMAGE AND ADEQUATE COVER (70% DENSITY).
 - RESEED, FERTILIZE OR APPLY MULCH WHERE NECESSARY.

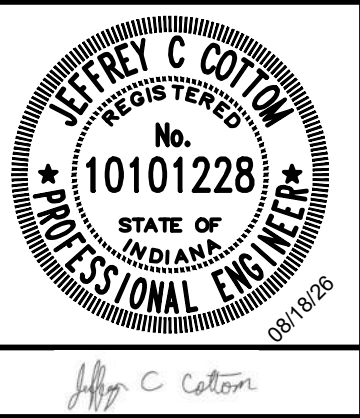


- ALTERNATE MEASURE:**
- ENVIROSAC CHUTE WASHOUT BAG, OR APPROVED EQUAL.
- NOTES:**
- CONCRETE WASHOUT-LINED CONTAINER SHALL BE INSTALLED PRIOR TO ANY CONCRETE POURING ACTIVITIES ON SITE.
 - IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN AND CONTAIN CONCRETE WASHOUT AREAS.
- WASHOUT PROCEDURES:**
- DO NOT LEAVE EXCESS MUD IN THE CHUTES OR HOPPER AFTER POURING CONCRETE. MAKE EVERY EFFORT TO EMPTY THE CHUTE AND HOPPER AT THE POUR. THE LESS MATERIAL LEFT IN THE CHUTES AND HOPPER, THE QUICKER AND EASIER THE CLEANOUT. SMALL AMOUNTS OF EXCESS CONCRETE (NOT WASHOUT WATER) MAY BE DISPOSED OF IN AREAS THAT WILL NOT FLOW TO AN AREA THAT IS TO BE PROTECTED.
 - SCRAPE AS MUCH MATERIAL FROM THE CHUTES AS POSSIBLE BEFORE WASHING THEM. USE NON-WATER CLEANING METHODS TO MINIMIZE THE CHANCE FOR WASTE TO FLOW OFF SITE.
 - STOP WASHING OUT IN AN AREA IF YOU OBSERVE WATER RUNNING OFF THE DESIGNATED AREA OR IF THE WATER IS NOT BEING CONTAINED WITHIN THE WASHOUT CONTAINER AREA.
 - DO NOT BACK FLUSH EQUIPMENT AT THE PROJECT SITE.
 - DO NOT USE ADDITIVES WITH WASH WATER.
 - DO NOT WASH OUT OR DRAIN WASTE WATERS TO STORM DRAINS, WETLANDS, STREAMS, RIVERS, CREEKS, DITCHES OR STREETS.
- MAINTENANCE:**
- REPAIR AND/OR REPLACE CONCRETE WASHOUT-LINED CONTAINER AS NECESSARY TO MAINTAIN CAPACITY FOR WASHOUT WATER.
 - CONCRETE WASHOUT SIGNS SHALL BE POSTED NEAR THE CONCRETE WASHOUT-LINED CONTAINER TO CLEARLY INDICATE THE LOCATION OF CONCRETE WASHOUT ACTIVITIES.

CONCRETE WASHOUT - LINED CONTAINER

SCALE: NONE

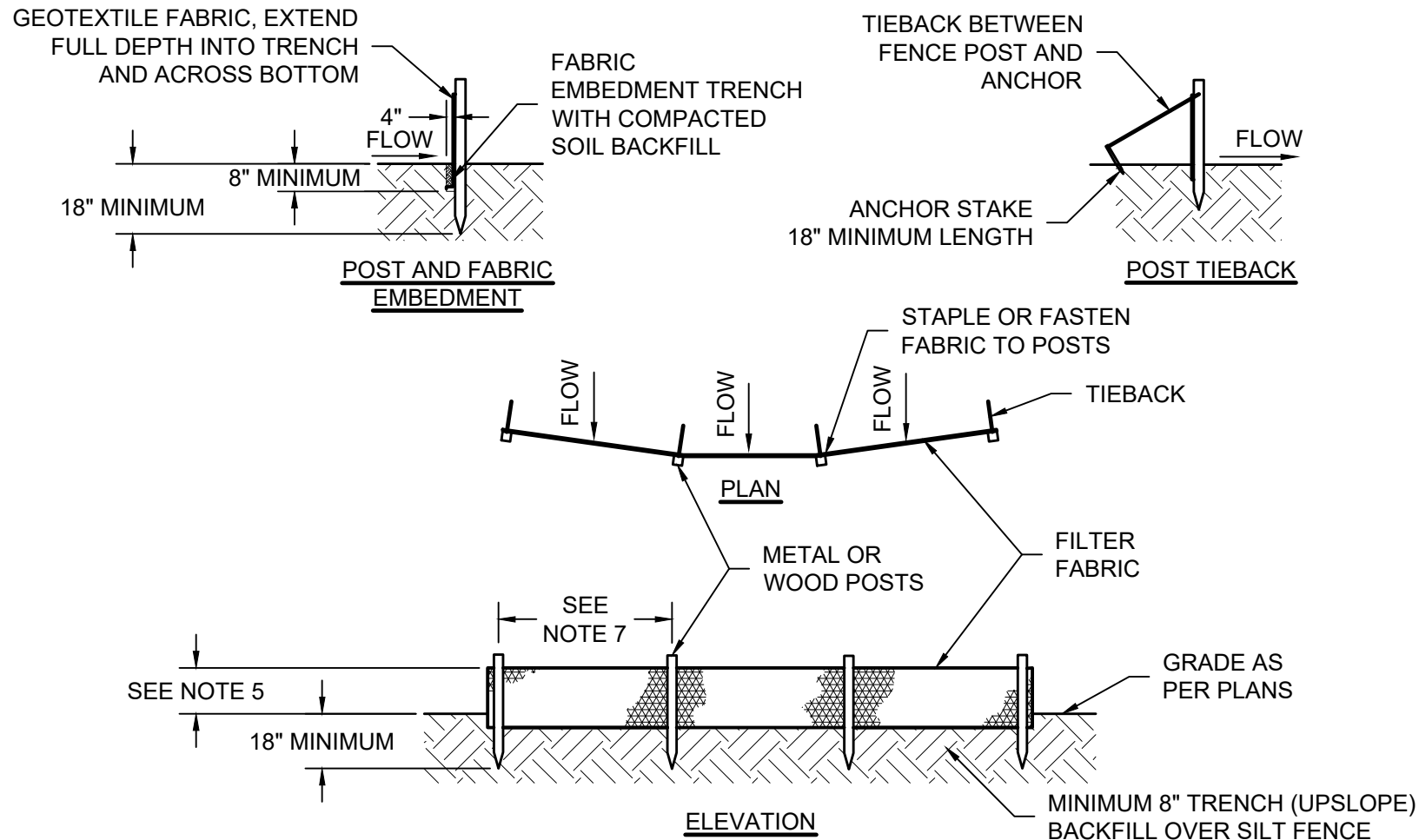
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BAR IS ONE INCH LONG ON ORIGINAL DRAWING 	CHECKED BY	JCC				
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LEAVENWORTH TRANSMISSION MAIN	
RAMSEY WATER COMPANY RAMSEY, INDIANA	
EROSION CONTROL DETAILS	

SHEET NO.
27
TOTAL SHEETS
28

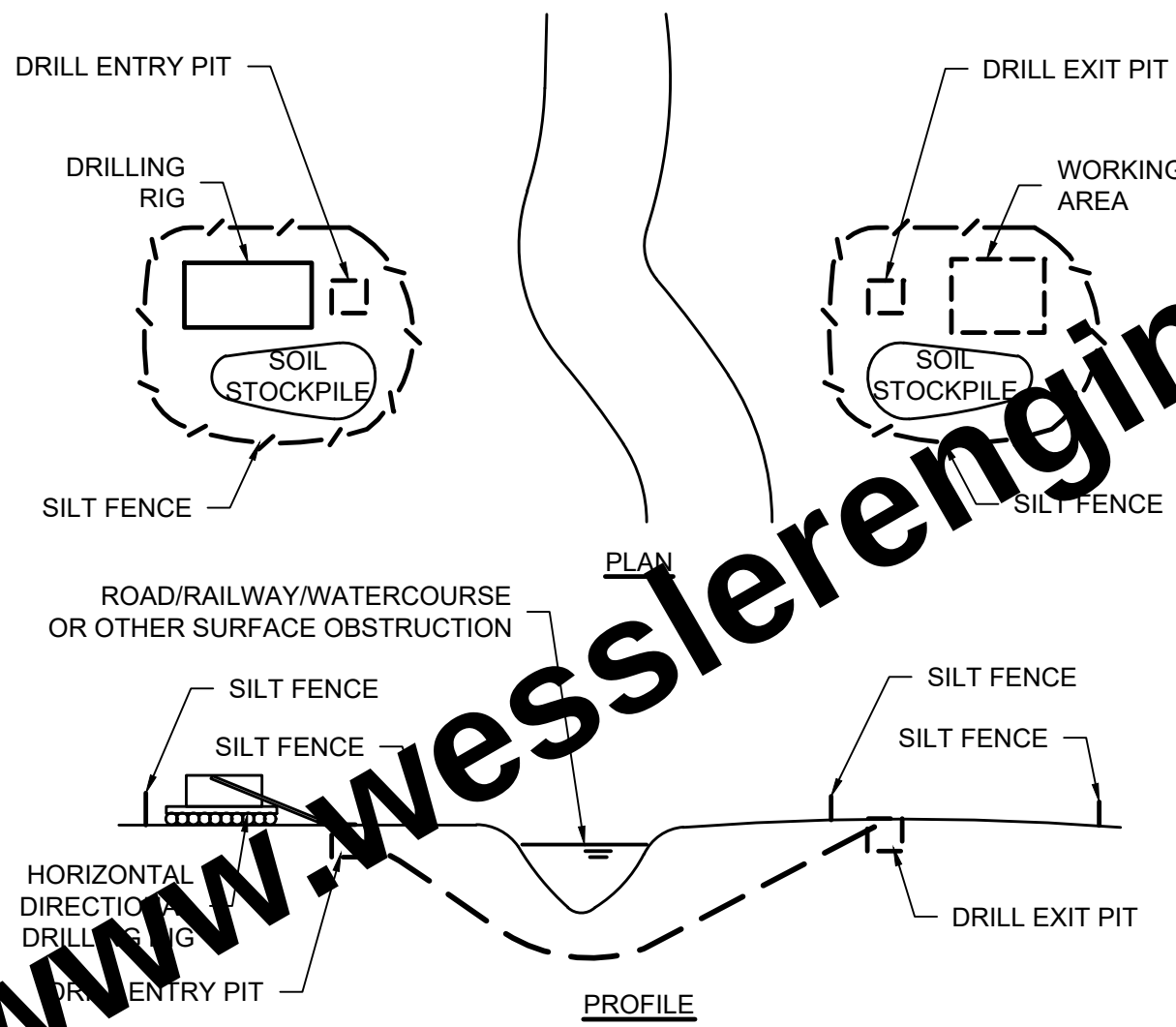
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- NOTES:**
1. SYNTHETIC FILTER FABRIC SHALL BE A PERVIOUS SHEET OF WOVEN OR NON-WOVEN GEOTEXTILE FABRIC AND SHALL BE CERTIFIED BY THE MANUFACTURER OR SUPPLIER AS CONFORMING TO THE FOLLOWING REQUIREMENTS:
 - a. TEXTILE STRENGTH AT 20% (MAXIMUM) ELONGATION, PER ASTM D4632.
 - b. WOVEN EXTRA STRENGTH - 50 LB/LINEAR INCH (MINIMUM), NON-WOVEN EXTRA STRENGTH - 70 LB/INCH (MINIMUM).
 - c. WOVEN STANDARD STRENGTH - 30 LB/LINEAR INCH (MINIMUM), NON-WOVEN STANDARD STRENGTH - 50 LB/INCH (MINIMUM).
 - d. APPARENT OPENING SIZE (AOS) (U.S. SIEVE) - NO. 30 PARTICLE SIZE OF 0.6 mm (MAXIMUM), ASTM D4751.
 - e. PERMITTIVITY - 0.05 S⁻¹ (MAXIMUM), ASTM D4491.
 2. POSTS FOR SILT FENCES SHALL BE EITHER 2"x2" SQUARE WOOD OR EQUIVALENT METAL POSTS WITH A MINIMUM LENGTH OF 5'. METAL POSTS SHALL HAVE PROJECTIONS FOR FASTENING WIRE TO THEM.
 3. ANCHOR STAKES FOR SILT FENCES SHALL BE 1"x2" WOOD (PREFERRED) OR EQUIVALENT METAL WITH A MINIMUM LENGTH OF 18".
 4. WIRE FENCE REINFORCEMENT FOR SILT FENCES USING STANDARD STRENGTH FILTER CLOTH SHALL BE A MINIMUM OF 42" IN HEIGHT, A MINIMUM OF 14 GAUGE, AND SHALL HAVE A MAXIMUM MESH SPACING OF 6".
 5. THE HEIGHT OF THE BARRIER SHALL BE A MINIMUM OF 18" AND A MAXIMUM OF 30".
 6. THE FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID THE USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER FABRIC SHALL BE SPICED TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM 6" OVERLAP, AND SECURELY SEALED.
 7. POSTS SHALL BE SPACED A MAXIMUM OF 6' APART AT THE BARRIER LOCATION AND DRIVEN SECURELY INTO THE GROUND (MINIMUM OF 18"). WHEN STANDARD STRENGTH FABRIC IS USED WITH THE WIRE SUPPORT FENCE, POST SPACING SHALL NOT EXCEED 8'.
 8. THE SPACING OF TIEBACKS SHALL EQUAL THE SPACING OF THE POSTS. ADDITIONAL POST DEPTH OR TIEBACKS MAY BE REQUIRED IN UNSTABLE SOILS.
 9. A TRENCH SHALL BE EXCAVATED APPROXIMATELY 4" WIDE AND A MINIMUM OF 8" DEEP ALONG THE LINE OF POSTS AND UPSLOPE FROM THE BARRIER.
 10. WHEN STANDARD STRENGTH FILTER FABRIC IS USED WITH A WIRE MESH SUPPORT FENCE IT SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY DUTY 1" WIRE STAPLES, TIE WIRES OR HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 2" AND SHALL NOT EXTEND MORE THAN 36" ABOVE THE ORIGINAL GROUND SURFACE.
 11. THE STANDARD STRENGTH FILTER FABRIC, WITHOUT A WIRE MESH SUPPORT FENCE, SHALL BE STAPLED OR WIRED TO THE FENCE, AND A MINIMUM 8" OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE FABRIC SHALL NOT EXTEND MORE THAN 36" ABOVE THE ORIGINAL GROUND SURFACE. DO NOT STAPLE FILTER FABRIC TO EXISTING TREES.
 12. WHEN EXTRA STRENGTH FILTER FABRIC OR BURLAP AND POST SPACING IS LESS THAN THE MAXIMUM SPECIFIED SPACING OF 6', THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED.
 13. BACKFILL THE TRENCH AND COMPACT THE SOIL OVER THE FILTER FABRIC.
 14. REMOVE SILT FENCES WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED.
 15. SILT FENCE SHALL NOT BE USED AS A DIVERSION AND SHALL NOT BE INSTALLED ACROSS A STREAM, CHANNEL, DITCH, SWALE, ETC.

- MAINTENANCE:**
1. INSPECT AFTER EACH RAINFALL AND DAILY DURING PROLONGED RAINFALL. INSPECT AT LEAST ONCE EVERY 7 CALENDAR DAYS.
 2. REPLACE OR REPAIR FABRIC IMMEDIATELY IF IT DECOMPOSES OR IS INEFFECTIVE.
 3. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY HALF THE HEIGHT OF THE BARRIER.
 4. SPREAD ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE IS NO LONGER REQUIRED AND DRESS TO CONFORM WITH THE FINISHED GRADING.

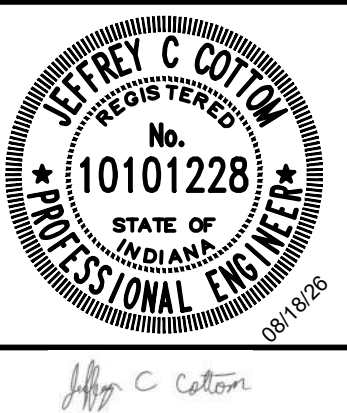
SILT FENCE
SCALE: NONE



- NOTES:**
1. INSTALL SILT FENCE PRIOR TO ANY EXCAVATION.
 2. FILTER WATER FROM BORE PIT DEWATERING, AND DO NOT DIRECTLY DISCHARGE TO ANY DITCH, STREAM, WETLAND OR STORM WATER CONVEYANCE. REFER TO PUMPING BAG DETAIL.
 3. PLACE SOIL STOCKPILES WITHIN THE SILT FENCE BOUNDARY.
 4. SOIL FROM STOCKPILES SHALL BE USED FOR BACKFILL OR DISPOSED OF PROPERLY.
 5. RESEED AND MULCH ALL DISTURBED SOIL SURFACES.
 6. ENVIRONMENTAL PROTECTION TO BE PROVIDED AS NECESSARY TO CONTAIN ANY DRILLING FLUID SPILLS.
- MAINTENANCE:**
1. INSPECT SILT FENCE BARRIERS AFTER EACH RAINFALL, AND REPAIR OR REPLACE IMMEDIATELY.
 2. REMOVE SEDIMENT DEPOSITS FROM THE SILT FENCE AFTER STORM EVENTS.

HORIZONTAL DIRECTIONAL DRILLING
SCALE: NONE

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LEAVENWORTH TRANSMISSION MAIN
RAMSEY WATER COMPANY RAMSEY, INDIANA
EROSION CONTROL DETAILS

SHEET NO.
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TOTAL SHEETS
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